



# The bidi *Package*

Documentation for *version 15.9*

*to my Master, Ferdowsi The Great*

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In doing so, please always explain your issue well enough, always include a minimal working example showing the issue, and always choose the appropriate label for your query (i.e. if you are reporting any bugs, choose 'Bug' label).

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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 15.9](#)

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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 © 2009–2014 Vafa Khalighi
*
* 2014/11/08, v15.9
*
* 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  $\LaTeX$  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

<code>\hboxR</code>	<code>\hboxL</code>	<code>\vboxR</code>	<code>\vboxL</code>
---------------------	---------------------	---------------------	---------------------

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

#### 1.16 Something To know about `\hbox`

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



```

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

```

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

```

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

```

### 1.17 `\bidillap` and `\bidirlap` Commands

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

### 1.18 `LTRitems` and `RTLitems` Environments

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

```

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

```

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

```

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

```



```

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

```

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

```

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

```

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

```

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

```

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

```

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

```



## 1.19 LTRbibitems and RTLbibitems Environments

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

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

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

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

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

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

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





### 1.21 Typesetting margin par

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

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

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

### 1.22 Typesetting of Headers and Footers

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

### 1.23 Tabular Typesetting

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

### 1.24 Equation Numbers

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

## 2 Support For Various Packages and Classes

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



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

## 2.1 Color

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

## 2.2 The dblfnote package

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

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

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

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

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

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

## 2.3 Hyperref

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



## 2.4 The listings package

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

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

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

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

Giving any other values gives you an error.

## 2.5 flowfram Package

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

## 2.6 Multicolumn Typesetting

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

`\RTLmulticolcolumns`   `\LTRmulticolcolumns`

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

## 3 Extra bidi Packages and Classes



### 3.1 bidi-longtable package

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

### 3.2 bidentufte bundle

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

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

`\LTRsidenote \RTLsidenote \LTRmarginnote \RTLmarginnote`

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

### 3.3 Typesetting $\TeX$ and $\LaTeX$ Codes

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

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



### 3.4 Typesetting Poems

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

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

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

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

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

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

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

### 3.5 Typesetting Resumé

The bidi package provides `bidimoderncv`<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  $\text{\XeTeX}$  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}[2013/04/26 v0.8 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\rightright\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27 \hbox to \columnwidth
28 {\beginR \vbox{\kern-.4\p@
29 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
30 \def\left@footnoterule{\kern-.4\p@
31 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
32
33
34 \long\def\@footnotetext#1{%
35 \insert\footins{%
36 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
37 \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\toks0}}{\the\@temptokena}}%
122 \@tempa
123 \endgroup
124 \c@footnote\z@
125 \cleartopmattertags
126 }

```

## 7.2 amsbook-xetex-bidi.def

```

127 \ProvidesFile{amsbook-xetex-bidi.def}[2013/04/26 v0.9 bidi adaptations for amsbook class for XeT
128 \def\@tocline#1#2#3#4#5#6#7{\relax
129   \ifnum #1>\c@tocdepth % then omit
130   \else
131     \par \addpenalty\@secpenalty\addvspace{#2}%
132     \begingroup \hyphenpenalty\@M
133     \@ifempty{#4}{%
134       \@tempdima\csname r@tocindent\number#1\endcsname\relax
135     }{%
136       \@tempdima#4\relax
137     }%
138     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\lef
139     \if@RTL\leftskip\else\righskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
140     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
141     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
142     \nobreak
143   \endgroup
144   \fi}
145 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
146 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
147 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
148 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
149 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
150   \columnseprule\z@ \columnsep 35\p@
151   \@indextitlestyle
152   \thispagestyle{plain}%
153   \let\item\idxitem

```



```

154 \parindent\z@ \parskip\z@\@plus.3\p@\relax
155 \if@RTL\raggedleft\else\raggedright\fi
156 \hyphenpenalty\@M
157 \footnotesize}
158 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
159 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
160 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
161 \def\right@footnoterule{%
162 \hbox to \columnwidth
163 {\beginR \vbox{\kern-.4\p@
164 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
165 \def\left@footnoterule{\kern-.4\p@
166 \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
167
168 \long\def\@footnotetext#1{%
169 \insert\footins{%
170 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
171 \normalfont\footnotesize
172 \interlinepenalty\interfootnotelinepenalty
173 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
174 \floatingpenalty\@MM \hsize\columnwidth
175 \@parboxrestore \parindent\normalparindent \sloppy
176 \protected@edef\@currentlabel{%
177 \csname p@footnote\endcsname\@thefnmark}%
178 \@makefnintext{%
179 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
180
181 \long\def\@RTLfootnotetext#1{%
182 \insert\footins{%
183 \@RTLtrue%
184 \normalfont\footnotesize
185 \interlinepenalty\interfootnotelinepenalty
186 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
187 \floatingpenalty\@MM \hsize\columnwidth
188 \@parboxrestore \parindent\normalparindent \sloppy
189 \protected@edef\@currentlabel{%
190 \csname p@footnote\endcsname\@thefnmark}%
191 \@makefnintext{%
192 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
193
194
195 \long\def\@LTRfootnotetext#1{%
196 \insert\footins{%
197 \@RTLfalse%
198 \normalfont\footnotesize
199 \interlinepenalty\interfootnotelinepenalty
200 \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
201 \floatingpenalty\@MM \hsize\columnwidth
202 \@parboxrestore \parindent\normalparindent \sloppy
203 \protected@edef\@currentlabel{%

```





```

204 \csname p@footnote\endcsname\@thefnmark}%
205 \@makefnintext{%
206 \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}
207
208
209
210 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
211 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
212 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
213
214 \renewenvironment{thebibliography}[1]{%
215 \@bibtitlestyle
216 \normalfont\bibliofont\labelsep .5em\relax
217 \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\@empty
218 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
219 \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
220 \leftmargin\labelwidth \advance\leftmargin\labelsep
221 \usecounter{enumiv}}%
222 \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
223 \sfcode\`.\@m
224 }{%
225 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
226 \endlist
227 }
228 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
229 \begingroup
230 \fontsize{\@xivpt}{18}\bfseries\centering
231 \ifnum\c@secnumdepth>\m@ne
232 \leavevmode \hskip-\if@RTL\righskip\else\leftskip\fi
233 \rlap{\vbox to\z@{\vss
234 \centerline{\normalsize\mdseries
235 \uppercase\exp{chaptername}\enspace thechapter}
236 \vskip 3pc}}\hskip\if@RTL\righskip\else\leftskip\fi\fi
237 #1\par \endgroup
238 \skip@34\p@ \advance\skip@-\normalbaselineskip
239 \vskip\skip@ }
240 \def\maketitle{\par
241 \@topnum\z@ % this prevents figures from falling at the top of page 1
242 \begingroup
243 \@maketitle
244 \endgroup
245 \c@footnote\z@
246 \def\do##1{\let##1\relax}%
247 \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
248 \do\author \do\@xauthor \do\address \do\@xaddress
249 \do\email \do\@xemail \do\curraddr \do\@xcurraddr
250 \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
251 \do\keywords \do\@keywords \do\subjclass \do\@subjclass
252 }

```



### 7.3 amsmath-xetex-bidi.def

```
253 \ProvidesFile{amsmath-xetex-bidi.def}[2014/09/04 v0.9 bidi adaptations for amsmath package for XeTeX]
254 \let\veqno=\eqno
255 \iftagsleft@ \let\veqno=\leqno \fi
256 \renewcommand{\numberwithin}[3][\arabic]{%
257   \ifundefined{c@#2}{\@nocounterr{#2}}{%
258     \ifundefined{c@#3}{\@nocnterr{#3}}{%
259       \addtoreset{#2}{#3}%
260       \exp\xdef\csname the#2\endcsname{%
261         \@xp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
262 }
263 \def\tagform@#1{\maketag@@@{\if@Latin\else\beginR\fi(\ignorespaces#1\unskip\@italiccorr)\if@
```

### 7.4 amstext-xetex-bidi.def

```
264 \ProvidesFile{amstext-xetex-bidi.def}[2013/04/04 v0.1 bidi adaptations for amstext package for XeTeX]
265 \def\textdef@#1#2#3{\hbox{%
266   \everymath{#1}%
267   \let\fontsize#2\selectfont
268   \if@Latin\else\beginR\fi#3\if@Latin\else\endR\fi}}}
```

### 7.5 amsthm-xetex-bidi.def

```
269 \ProvidesFile{amsthm-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for amsthm package for XeTeX]
270 \def\@thmcountersep{\@SepMark}
```

### 7.6 array-xetex-bidi.def

```
271 \ProvidesFile{array-xetex-bidi.def}[2010/08/01 v0.2b bidi adaptations for array package for XeTeX]
272 \def\@testpach{\@chclass
273   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
274   \ifnum \@lastchclass=7 5 \else
275   \ifnum \@lastchclass=8 \tw@ \else
276   \ifnum \@lastchclass=9 \thr@@
277   \else \z@
278   \ifnum \@lastchclass = 10 \else
279   \edef\@nextchar{\expandafter\string\@nextchar}%
280   \@chnum
281   \if \@nextchar c\z@ \else
282   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
283   \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
284   \z@ \@chclass
285   \if \@nextchar |\@ne \else
286   \if \@nextchar !6 \else
287   \if \@nextchar @7 \else
288   \if \@nextchar <8 \else
289   \if \@nextchar >9 \else
290   10
291   \@chnum
292   \if \@nextchar m\thr@@\else
293   \if \@nextchar p4 \else
```



```

294 \if \@nextchar b5 \else
295 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
296 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
297 \def\@tabular{\if@RTL\@RTLtabtrue\fi%
298 \leavevmode
299 \hbox \bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\d@llarbegin\beginR
300 \let\d@llarend\endgroup
301 \@tabarray}
302 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
303 \expandafter\let\csname endtabular*\endcsname=\endtabular
304 \def\@array[#1]#2{%
305 \@tempdima \ht \strutbox
306 \advance \@tempdima by\extrarowheight
307 \setbox \@arstrutbox \hbox{\vrule
308 \height \arraystretch \@tempdima
309 \depth \arraystretch \dp \strutbox
310 \width \z@}%
311 \beginR
312 \@mkpream{#2}%
313 \xdef\@preamble{\noexpand \ialign \@halignto
314 \bgroup \@arstrut \@preamble
315 \tabskip \z@ \cr}%
316 \endgroup
317 \@arrayleft
318 \if #1t\top \else \if#1b\vbox \else \vcenter \fi \fi
319 \bgroup
320 \let \@sharp ##\let \protect \relax
321 \lineskip \z@
322 \baselineskip \z@
323 \m@th
324 \let\\\@arraycr \let\tabularnewline\\\let\par\empty \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup
325 \def\@tabarray{\@ifnextchar [{\@array}{\@array[c]}}
326 \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preamble
327 \def\array{\col@sep\arraycolsep
328 \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}
329 \@RTLtabfalse\@tabarray}

```

## 7.7 article-xetex-bidi.def

```

330 \ProvidesFile{article-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for standard article class]
331 \if@titlepage
332 \renewcommand\maketitle{\begin{titlepage}%
333 \let\footnotesize\small
334 \let\right@footnoterule\relax
335 \let\left@footnoterule\relax
336 \let\textwidth\footnoterule\relax
337 \let \footnote \thanks
338 \let \LTRfootnote \LTRthanks
339 \let \RTLfootnote \RTLthanks
340 \null\vfil

```



```

341 \vskip 60\p@
342 \begin{center}%
343   {\LARGE \@title \par}%
344   \vskip 3em%
345   {\large
346     \lineskip .75em%
347     \begin{tabular}[t]{c}%
348       \@author
349     \end{tabular}\par}%
350   \vskip 1.5em%
351   {\large \@date \par}%           % Set date in \large size.
352 \end{center}\par
353 \@thanks
354 \vfil\null
355 \end{titlepage}%
356 \setcounter{footnote}{0}%
357 \global\let\thanks\relax
358 \global\let\LTRthanks\relax
359 \global\let\RTLthanks\relax
360 \global\let\maketitle\relax
361 \global\let\@thanks\@empty
362 \global\let\@author\@empty
363 \global\let\@date\@empty
364 \global\let\@title\@empty
365 \global\let\title\relax
366 \global\let\author\relax
367 \global\let\date\relax
368 \global\let\and\relax
369 }
370 \else
371 \renewcommand\maketitle{\par
372   \begingroup
373     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
374     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
375     \long\def\@makefntext##1{\parindent 1em\noindent
376       \hb@xt@1.8em{%
377         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
378     \if@twocolumn
379       \ifnum \col@number=\@one
380         \@maketitle
381       \else
382         \twocolumn[\@maketitle]%
383       \fi
384     \else
385       \newpage
386       \global\@topnum\z@   % Prevents figures from going at top of page.
387       \@maketitle
388     \fi
389     \thispagestyle{plain}\@thanks
390   \endgroup

```



```

391 \setcounter{footnote}{0}%
392 \global\let\thanks\relax
393 \global\let\LTRthanks\relax
394 \global\let\RTLthanks\relax
395 \global\let\maketitle\relax
396 \global\let\@maketitle\relax
397 \global\let\@thanks\@empty
398 \global\let\@author\@empty
399 \global\let\@date\@empty
400 \global\let\@title\@empty
401 \global\let\title\relax
402 \global\let\author\relax
403 \global\let\date\relax
404 \global\let\and\relax
405 }
406 \def\@maketitle{%
407 \newpage
408 \null
409 \vskip 2em%
410 \begin{center}%
411 \let \footnote \thanks
412 \let \LTRfootnote \LTRthanks
413 \let \RTLfootnote \RTLthanks
414 {\LARGE \@title \par}%
415 \vskip 1.5em%
416 {\large
417 \lineskip .5em%
418 \begin{tabular}[t]{c}%
419 \@author
420 \end{tabular}\par}%
421 \vskip 1em%
422 {\large \@date}%
423 \end{center}%
424 \par
425 \vskip 1.5em}
426 \fi
427 \renewcommand*\l@part[2]{%
428 \ifnum \c@tocdepth >-2\relax
429 \addpenalty\@secpenalty
430 \addvspace{2.25em \@plus\p@}%
431 \setlength\@tempdima{3em}%
432 \begingroup
433 \parindent \z@ \ifRTL\leftskip\else\rightskip\fi \@pnumwidth
434 \parfillskip -\@pnumwidth
435 {\leavevmode
436 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
437 \nobreak
438 \ifcompatibility
439 \global\@nobreaktrue
440 \everypar{\global\@nobreakfalse\everypar{}}%

```



```

441     \fi
442   \endgroup
443 \fi}
444 \renewcommand*\l@section[2]{%
445   \ifnum \c@tocdepth >\z@
446     \addpenalty\@secpenalty
447     \addvspace{1.0em \@plus\p@}%
448     \setlength\@tempdima{1.5em}%
449     \begingroup
450       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
451       \parfillskip -\@pnumwidth
452       \leavevmode \bfseries
453       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
454       \hskip -\if@RTL\rightskip\else\leftskip\fi
455       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
456     \endgroup
457 \fi}
458 \renewcommand\left@footnoterule{%
459   \kern-3\p@
460   \hrule\@width.4\columnwidth
461   \kern2.6\p@}
462 \renewcommand\right@footnoterule{%
463   \hbox to \columnwidth
464   {\beginR \vbox{%
465     \kern-3\p@
466     \hrule\@width.4\columnwidth
467     \kern2.6\p@}\hfil\endR}}
468 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
469 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
470 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
471 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
472 \def\@part[#1]#2{%
473   \ifnum \c@secnumdepth >\m@ne
474     \refstepcounter{part}%
475     \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
476   \else
477     \addcontentsline{toc}{part}{#1}%
478   \fi
479   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
480     \interlinepenalty \@M
481     \normalfont
482     \ifnum \c@secnumdepth >\m@ne
483       \Large\bfseries \partname\nobreakspace\thepart
484       \par\nobreak
485     \fi
486     \huge \bfseries #2%
487     \markboth{}{}\par}%
488   \nobreak
489   \vskip 3ex
490   \@afterheading}

```



```

491 \renewenvironment{thebibliography}[1]
492     {\section*{\refname}%
493      \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
494      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
495      \list{\@biblabel{\@arabic\c@enumiv}}%
496          {\settowidth\labelwidth{\@biblabel{#1}}%
497           \leftmargin\labelwidth
498           \advance\leftmargin\labelsep
499           \@openbib@code
500           \usecounter{enumiv}%
501           \let\p@enumiv\@empty
502           \renewcommand\theenumiv{\@arabic\c@enumiv}}%
503      \sloppy
504      \clubpenalty4000
505      \@clubpenalty \clubpenalty
506      \widowpenalty4000%
507      \sfcode`..\@m}
508      {\def\@noitemerr
509       {\@latex@warning{Empty `thebibliography' environment}}}%
510      \endlist}
511 \renewenvironment{theindex}
512     {\if@twocolumn
513      \@restonecolfalse
514      \else
515      \@restonecoltrue
516      \fi
517      \columnseprule \z@
518      \columnsep 35\p@
519      \twocolumn[\section*{\indexname}]%
520      \mkboth{\MakeUppercase\indexname}{\MakeUppercase\indexname}%
521      \thispagestyle{plain}\parindent\z@
522      \parskip\z@ \@plus .3\p@\relax
523      \let\item\@idxitem}
524      {\if@restonecol\onecolumn\else\clearpage\fi}

```

## 7.8 artikel1-xetex-bidi.def

```

526 \ProvidesFile{artikel1-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for artikel1 class for X
527 \renewenvironment{theindex}{%
528     \if@twocolumn
529     \@restonecolfalse
530     \else
531     \@restonecoltrue
532     \fi
533     \columnseprule \z@
534     \columnsep 35\p@
535     \twocolumn[\section*{\indexname}]%
536     \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
537     \thispagestyle{plain}\parindent\z@

```



```

538 \parskip\z@ \@plus .3\p@\relax
539 \let\item\idxitem
540 }{%
541 \if@restonecol\onecolumn\else\clearpage\fi}
542 \renewcommand*\head@style{%
543 \interlinepenalty \@M
544 \hyphenpenalty=\@M \exhyphenpenalty=\@M
545 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
546 \if@titlepage
547 \renewenvironment{abstract}{%
548 \titlepage
549 \null\vfil
550 \section*{\SectFont\abstractname}
551 \noindent\ignorespaces}
552 {\par\vfil\null\endtitlepage}
553 \else
554 \renewenvironment{abstract}{%
555 \if@twocolumn
556 \section*{\abstractname}%
557 \else
558 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
559 \section*{\small\SectFont\abstractname}%
560 \noindent\ignorespaces
561 \fi}
562 {\if@twocolumn\else\par\egroup\fi}
563 \fi
564 \renewcommand*\@regtocline[3]{%
565 \ifnum #1>\c@tocdepth
566 \else
567 \vskip\z@ \@plus .2\p@
568 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
569 \if@RTL\rightskip\else\leftskip\fi\unitindent
570 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
571 \parfillskip\z@
572 \@tempdima\unitindent
573 \parindent\z@
574 \leavevmode
575 \hbox{}}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
576 \hskip 1em \nobreak{\slshape #3}\par
577 }%
578 \fi}
579 \if@oldtoc
580 \renewcommand*\l@part[2]{%
581 \ifnum \c@tocdepth >-2\relax
582 \addpenalty\@secpenalty
583 \addvspace{2.25em \@plus\p@}%
584 \begingroup
585 \setlength\@tempdima{3em}%
586 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
587 \parfillskip -\@pnumwidth

```





```

588     {\leavevmode
589       \large \bfseries #1\hfil \hb@xt@{\pnumwidth{\hss #2}}\par
590       \nobreak
591       \if@compatibility
592       \global\@nobreaktrue
593       \everypar{\global\@nobreakfalse\everypar{}}%
594     \fi
595   \endgroup
596 \fi}
597 \else
598   \renewcommand*\l@part{%
599     \ifnum \c@tocdepth >-2\relax
600     \addpenalty\@secpenalty
601     \addvspace{2.25em \@plus \p@}%
602     \@regtocline{0}%
603   \fi}
604 \fi
605 \if@oldtoc
606 \renewcommand*\l@section[2]{%
607   \addpenalty\@secpenalty
608   \addvspace{1.0em \@plus \p@}%
609   \setlength\@tempdima{1.5em}%
610   \begingroup
611   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \pnumwidth
612   \parfillskip -\pnumwidth
613   \leavevmode \bfseries
614   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
615   \hskip -\if@RTL\rightskip\else\leftskip\fi
616   #1\nobreak\hfil \nobreak\hb@xt@{\pnumwidth{\hss #2}}\par
617   \endgroup}
618 \else
619   \renewcommand*\l@section{\@regtocline{1}}
620 \fi
621 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
622 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
623 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
624 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
625 \renewenvironment{thebibliography}[1]
626   {\section*\refname}%
627   {\mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
628   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
629   \list{\@biblabel{\@arabic\c@enumiv}}%
630     {\settowidth\labelwidth{\@biblabel{#1}}%
631     \leftmargin\labelwidth
632     \advance\leftmargin\labelsep
633     \@openbib@code
634     \usecounter{enumiv}%
635     \let\p@enumiv\@empty
636     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
637   \sloppy\clubpenalty4000\widowpenalty4000%

```



```

638     \sfcode`.\.\@m}
639     {\def\@noitemerr
640      {\@latex@warning{Empty `thebibliography' environment}}}%
641     \endlist}
642 \renewcommand*\left@footnoterule{%
643   \kern-3\p@
644   \kern.5\baselineskip
645   \hrule\@width\unitindent
646   \kern.4\baselineskip
647 }
648 \renewcommand*\right@footnoterule{%
649   \hbox to \columnwidth
650   {\beginR \vbox{%
651     \kern-3\p@
652     \kern.5\baselineskip
653     \hrule\@width\unitindent
654     \kern.4\baselineskip}\hfil\endR}
655 }
656 \if@titlepage
657 \renewcommand*\TitleFont{\rmfamily}
658 \renewcommand*\maketitle{%
659   \begin{titlepage}%
660     \let\footnotesize\small
661     \let\right@footnoterule\relax
662     \let\left@footnoterule\relax
663     \let\textwidth\footnoterule\relax
664     \let \footnote \thanks
665     \long\def\@makefnmark##1{\parindent\z@
666       \def\labelitemi{\textendash}\@revlabeltrue
667       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
668     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
669     \if@compatibility\setcounter{page}{0}\fi
670     \null\vfil
671     \vskip 60\p@
672     \begin{center}%
673       \TitleFont
674       {\LARGE \def\\{\penalty -\@M}
675         \if@allcaps
676           \expandafter\uc@nothanks\@title\thanks\relax
677         \else
678           \@title
679         \fi\par}%
680     \vskip 3em%
681     {\large
682       \lineskip .75em \parindent\z@
683       \begin{tabular}[t]{c}%
684         \if@allcaps
685           \expandafter\uc@author\nothanks\@author\and\relax
686         \else
687           \@author

```



```

688         \fi
689         \end{tabular}\par}%
690     \vskip 1.5em%
691     {\large
692     \if@allcaps
693         \uppercase\expandafter{\@date}%
694     \else
695         \@date
696     \fi\par}%
697     \end{center}\par
698     \@thanks
699     \vfil\null
700 \end{titlepage}%
701 \setcounter{footnote}{0}%
702 \global\let\thanks\relax
703 \global\let\maketitle\relax
704 \global\let\@thanks\@empty
705 \global\let\@author\@empty
706 \global\let\@title\@empty
707 \global\let\@date\@empty
708 \global\let\title\relax
709 \global\let\author\relax
710 \global\let\date\relax
711 \global\let\and\relax
712 }
713 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
714 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
715     \futurelet\@tempa\uc@ax}
716 \def\uc@ax{%
717     \ifx\@tempa\relax
718     \else
719         \andname \ \ \expandafter\uc@authornothanks
720     \fi}
721 \def\uc@tx{\ifx\@tempa\relax
722     \else \expandafter\uc@ty \fi}
723 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
724 \else
725 \renewcommand*\maketitle{\par
726     \begin{group
727         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
728         \def\@makefnmark{\rlap{%
729             \@textsuperscript{\normalfont\@thefnmark}}}%
730         \long\def\@makefntext{\@xmakefntext{%
731             \@textsuperscript{\normalfont\@thefnmark}}}%
732         \if@twocolumn
733             \ifnum \col@number=\@ne
734                 \@maketitle
735             \else
736                 \twocolumn[\@maketitle]%
737         \fi

```



```

738 \else
739 \newpage
740 \global\@topnum\z@
741 \@maketitle
742 \fi
743 \thispagestyle{plain}\@thanks
744 \endgroup
745 \setcounter{footnote}{0}%
746 \global\let\thanks\relax
747 \global\let\maketitle\relax
748 \global\let\@maketitle\relax
749 \global\let\@thanks\@empty
750 \global\let\@author\@empty
751 \global\let\@title\@empty
752 \global\let\@date\@empty
753 \global\let\title\relax
754 \global\let\author\relax
755 \global\let\date\relax
756 \global\let\and\relax
757 }
758 \def\@maketitle{%
759 \newpage
760 \null
761 \vskip 2em%
762 \begin{center}%
763 \let \footnote \thanks
764 {\LARGE \TitleFont \@title \par}%
765 \vskip 1.5em%
766 {\large \TitleFont
767 \lineskip .5em%
768 \begin{tabular}[t]{c}%
769 \@author
770 \end{tabular}\par}%
771 \vskip 1em%
772 {\large \TitleFont \@date}%
773 \end{center}%
774 \par
775 \vskip 1.5em}
776 \fi

```

## 7.9 artikel2-xetex-bidi.def

```

777 \ProvidesFile{artikel2-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for artikel2 class for X
778 \renewenvironment{theindex}{%
779 \if@twocolumn
780 \@restonecolfalse
781 \else
782 \@restonecoltrue
783 \fi
784 \columnseprule \z@

```



```

785 \columnsep 35\p@
786 \twocolumn[\section*{\indexname}]{%
787 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
788 \thispagestyle{plain}\parindent\z@
789 \parskip\z@ \@plus .3\p@\relax
790 \let\item\@idxitem
791 }{%
792 \if@restonecol\onecolumn\else\clearpage\fi}
793 \renewcommand*\@regtocline[3]{%
794 \ifnum #1>\c@tocdepth
795 \else
796 \vskip\z@ \@plus .2\p@
797 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
798 \if@RTL\righskip\else\leftskip\fi\unitindent
799 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
800 \parfillskip\z@
801 \@tempdima\unitindent
802 \advance\@tempdima by \othermargin
803 \parindent\z@
804 \leavevmode
805 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
806 \hskip 1em \nobreak{\slshape #3}\par
807 }%
808 \fi}
809 \if@oldtoc
810 \renewcommand*\l@section[2]{%
811 \addpenalty\@secpenalty
812 \addvspace{1.0em \@plus\p@}%
813 \setlength\@tempdima{1.5em}%
814 \begingroup
815 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
816 \parfillskip -\@pnumwidth
817 \leavevmode \bfseries
818 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
819 \hskip -\if@RTL\righskip\else\leftskip\fi
820 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
821 \endgroup}
822 \else
823 \renewcommand*\l@section{\@regtocline{1}}
824 \fi
825 \if@oldtoc
826 \renewcommand*\l@part[2]{%
827 \ifnum \c@tocdepth >-2\relax
828 \addpenalty\@secpenalty
829 \addvspace{2.25em \@plus\p@}%
830 \begingroup
831 \setlength\@tempdima{3em}%
832 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
833 \parfillskip -\@pnumwidth
834 {\leavevmode

```



```

835         \large \bfseries #1\hfil \hb@xt@{\pnumwidth{\hss #2}}\par
836         \nobreak
837         \ifcompatibility
838         \global\@nobreaktrue
839         \everypar{\global\@nobreakfalse\everypar{}}%
840     \fi
841 \endgroup
842 \fi}
843 \else
844     \renewcommand*\l@part{%
845         \ifnum \c@tocdepth >-2\relax
846         \addpenalty\@secpenalty
847         \addvspace{2.25em \@plus \p@}%
848         \@regtocline{0}%
849     \fi}
850 \fi
851 \renewcommand*\head@style{%
852     \interlinepenalty \@M
853     \hyphenpenalty=\@M \exhyphenpenalty=\@M
854     \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
855 \if@titlepage
856     \renewenvironment{abstract}{%
857         \titlepage
858         \null\vfil
859         \section*{\SectFont\abstractname}%
860         \noindent\ignorespaces}
861     {\par\vfil\null\endtitlepage}
862 \else
863     \renewenvironment{abstract}{%
864         \if@twocolumn
865         \section*{\abstractname}%
866         \else
867         \section*{\hskip\unitindent\small\SectFont\abstractname}%
868         \list{}{\setlength\listparindent{\unitindent}%
869             \setlength\parindent {\z@}%
870             \setlength\leftmargin {\unitindent}%
871             \setlength\rightmargin {\unitindent}%
872             \setlength\parsep {\z@}}%
873         \item[]%
874     \fi}
875     {\if@twocolumn\else\par\endlist\fi}
876 \fi
877 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
878 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
879 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
880 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
881 \renewcommand*\left@footnoterule{%
882     \kern-3\p@
883     \hrule\@width 3\unitindent
884     \kern 2.6\p@

```



```

885 }
886 \renewcommand*\right@footnoterule{%
887   \hbox to \columnwidth
888   {\beginR \vbox{%
889     \kern-3\p@
890     \hrule\@width 3\unitindent
891     \kern 2.6\p@}\hfil\endR}
892 }
893 \renewenvironment{thebibliography}[1]
894   {\section*{\refname}%
895    \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
896    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
897    \list{\@biblabel{\@arabic\c@enumiv}}%
898      {\settowidth\labelwidth{\@biblabel{#1}}%
899       \leftmargin\labelwidth
900       \advance\leftmargin\labelsep
901       \@openbib@code
902       \usecounter{enumiv}%
903       \let\p@enumiv\@empty
904       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
905    \sloppy\clubpenalty4000\widowpenalty4000%
906    \sfcode`\.\@m}
907    {\def\@noitemerr
908     {\@latex@warning{Empty `thebibliography' environment}}%
909     \endlist}
910 \if@titlepage
911 \renewcommand*\TitleFont{\rmfamily}
912 \renewcommand*\maketitle{%
913   \begin{titlepage}%
914     \let\footnotesize\small
915     \let\right@footnoterule\relax
916     \let\left@footnoterule\relax
917     \let\textwidth\footnoterule\relax
918     \let\footnote\thanks
919     \long\def\@makefnmark##1{\parindent\z@
920      \def\labelitemi{\textendash}\@revlabeltrue
921      \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
922     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
923     \if@compatibility\setcounter{page}{0}\fi
924     \null\vfil
925     \vskip 60\p@
926     \begin{center}%
927       \TitleFont
928       {\LARGE \def\\{\penalty -\@M}
929        \if@allcaps
930          \expandafter\uc@nothanks\@title\thanks\relax
931        \else
932          \@title
933          \fi\par}%
934     \vskip 3em%

```



```

935     {\large
936       \lineskip .75em \parindent\z@
937       \begin{tabular}[t]{c}%
938         \if@allcaps
939           \expandafter\uc@authornothanks\@author\and\relax
940         \else
941           \@author
942         \fi
943       \end{tabular}\par}%
944     \vskip 1.5em%
945     {\large
946       \if@allcaps
947         \uppercase\expandafter{\@date}%
948       \else
949         \@date
950       \fi\par}%
951     \end{center}\par
952     \@thanks
953     \vfil\null
954   \end{titlepage}%
955   \setcounter{footnote}{0}%
956   \global\let\thanks\relax
957   \global\let\maketitle\relax
958   \global\let\@thanks\@empty
959   \global\let\@author\@empty
960   \global\let\@title\@empty
961   \global\let\@date\@empty
962   \global\let\title\relax
963   \global\let\author\relax
964   \global\let\date\relax
965   \global\let\and\relax
966 }
967 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
968 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
969   \futurelet\@tempa\uc@ax}
970 \def\uc@ax{%
971   \ifx\@tempa\relax
972     \else
973     \\\andname \\\expandafter\uc@authornothanks
974   \fi}
975 \def\uc@tx{\ifx\@tempa\relax
976   \else \expandafter\uc@ty \fi}
977 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
978 \else
979 \renewcommand*\maketitle{\par
980   \begingroup
981     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
982     \long\def\@makefnstext##1{\parindent\z@
983       \def\labelitemi{\textendash}%
984       \leavevmode\hb@xt@.5\unitindent{%

```





```

985      \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
986      \if@twocolumn
987        \ifnum \col@number=\@ne
988          \@maketitle
989        \else
990          \twocolumn[\@maketitle]%
991        \fi
992      \else
993        \newpage
994        \global\@topnum\z@
995        \@maketitle
996      \fi
997      \thispagestyle{plain}\@thanks
998    \endgroup
999    \setcounter{footnote}{0}%
1000    \global\let\thanks\relax
1001    \global\let\maketitle\relax
1002    \global\let\@maketitle\relax
1003    \global\let\@thanks\@empty
1004    \global\let\@author\@empty
1005    \global\let\@title\@empty
1006    \global\let\@date\@empty
1007    \global\let\title\relax
1008    \global\let\author\relax
1009    \global\let\date\relax
1010    \global\let\and\relax
1011  }
1012  \def\@maketitle{%
1013    \newpage
1014    \null
1015    \vskip 2em%
1016    \begin{center}%
1017      \let \footnote \thanks
1018      {\LARGE \TitleFont \@title \par}%
1019      \vskip 1.5em%
1020      {\large \TitleFont
1021        \lineskip .5em%
1022        \begin{tabular}[t]{c}%
1023          \@author
1024        \end{tabular}\par}%
1025      \vskip 1em%
1026      {\large \TitleFont \@date}%
1027    \end{center}%
1028    \par
1029    \vskip 1.5em}
1030  \fi

```

## 7.10 artikel3-xetex-bidi.def

```

1031 \ProvidesFile{artikel3-xetex-bidi.def}[2011/08/26 v0.3 bidi adaptations for artikel3 class for X

```



```

1032 \renewenvironment{theindex}{%
1033   \if@twocolumn
1034     \@restonecolfalse
1035   \else
1036     \@restonecoltrue
1037   \fi
1038   \columnseprule \z@
1039   \columnsep 35\p@
1040   \twocolumn[\section*{\indexname}]%
1041   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1042   \thispagestyle{plain}\parindent\z@
1043   \parskip\z@ \@plus .3\p@\relax
1044   \let\item\@idxitem
1045 }{%
1046   \if@restonecol\onecolumn\else\clearpage\fi
1047 \renewcommand*{\head@style}{%
1048   \interlinepenalty \@M
1049   \hyphenpenalty=\@M \exhyphenpenalty=\@M
1050   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1051 \renewcommand*{\regtocline}[3]{%
1052   \ifnum #1>\c@tocdepth
1053   \else
1054     \vskip\z@ \@plus.2\p@
1055     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
1056     \if@RTL\rightskip\else\leftskip\fi\unitindent
1057     \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
1058     \parfillskip\z@
1059     \@tempdima\unitindent
1060     \parindent\z@
1061     \leavevmode
1062     \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1063     \hskip 1em \nobreak{\slshape #3}\par
1064   }%
1065   \fi}
1066 \if@oldtoc
1067 \renewcommand*{\l@part}[2]{%
1068   \ifnum \c@tocdepth >-2\relax
1069     \addpenalty\@secpenalty
1070     \addvspace{2.25em \@plus\p@}%
1071     \begingroup
1072       \setlength\@tempdima{3em}%
1073       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1074       \parfillskip -\@pnumwidth
1075       {\leavevmode
1076         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1077       \nobreak
1078       \if@compatibility
1079         \global\@nobreaktrue
1080         \everypar{\global\@nobreakfalse\everypar{}}%
1081       \fi

```



```

1082 \endgroup
1083 \fi}
1084 \else
1085 \renewcommand*\l@part{%
1086 \ifnum \c@tocdepth >-2\relax
1087 \addpenalty\@secpenalty
1088 \addvspace{2.25em \@plus \p@}%
1089 \@regtocline{0}%
1090 \fi}
1091 \fi
1092
1093 \if@oldtoc
1094 \renewcommand*\l@section[2]{%
1095 \addpenalty\@secpenalty
1096 \addvspace{1.0em \@plus \p@}%
1097 \setlength\@tempdima{1.5em}%
1098 \begingroup
1099 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1100 \parfillskip -\@pnumwidth
1101 \leavevmode \bfseries
1102 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
1103 \hskip -\if@RTL\rightskip\else\leftskip\fi
1104 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1105 \endgroup}
1106 \else
1107 \renewcommand*\l@section{\@regtocline{1}}
1108 \fi
1109 \if@titlepage
1110 \renewenvironment{abstract}{%
1111 \titlepage
1112 \null\vfil
1113 \section*{\SectFont\abstractname}%
1114 \noindent\ignorespaces}
1115 {\par\vfil\null\endtitlepage}
1116 \else
1117 \renewenvironment{abstract}{%
1118 \if@twocolumn
1119 \section*{\abstractname}%
1120 \else
1121 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1122 \section*{\small\SectFont\abstractname}%
1123 \noindent\ignorespaces
1124 \fi}
1125 {\if@twocolumn\else\par\egroup\fi}
1126 \fi
1127 \renewcommand*\left@footnoterule{%
1128 \kern-3\p@
1129 \kern.5\baselineskip
1130 \hrule\@width\unitindent
1131 \kern.4\baselineskip

```



```

1132 }
1133 \renewcommand*\right@footnoterule{%
1134   \hbox to \columnwidth
1135   {\beginR \vbox{%
1136     \kern-3\p@
1137     \kern.5\baselineskip
1138     \hrule\@width\unitindent
1139     \kern.4\baselineskip}\hfil\endR}
1140 }
1141 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1142 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1143 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1144 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1145 \renewenvironment{thebibliography}[1]
1146   {\section*\refname}%
1147   {\mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1148   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
1149   \list{\@biblabel{\@arabic\c@enumiv}}%
1150     {\settowidth\labelwidth{\@biblabel{#1}}%
1151     \leftmargin\labelwidth
1152     \advance\leftmargin\labelsep
1153     \@openbib@code
1154     \usecounter{enumiv}%
1155     \let\p@enumiv\@empty
1156     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1157   \sloppy\clubpenalty4000\widowpenalty4000%
1158   \sfcode`. \@M}
1159   {\def\@noitemerr
1160     {\@latex@warning{Empty `thebibliography' environment}}%
1161     \endlist}
1162 \if@titlepage
1163 \renewcommand*\TitleFont{\rmfamily}
1164 \renewcommand*\maketitle{%
1165   \begin{titlepage}%
1166     \let\footnotesize\small
1167     \let\right@footnoterule\relax
1168     \let\left@footnoterule\relax
1169     \let\textwidth\footnoterule\relax
1170     \let\footnote\thanks
1171     \long\def\@makefnmark{\parindent\z@
1172       \def\labelitemi{\textendash}\@revlabeltrue
1173       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1174     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1175     \if@compatibility\setcounter{page}{0}\fi
1176     \null\vfil
1177     \vskip 60\p@
1178     \begin{center}%
1179       \TitleFont
1180       {\LARGE \def\\{\penalty -\@M}
1181       \if@allcaps

```



```

1182         \expandafter\uc@nothanks\@title\thanks\relax
1183     \else
1184         \@title
1185     \fi\par}%
1186 \vskip 3em%
1187 {\large
1188 \lineskip .75em \parindent\z@
1189 \begin{tabular}[t]{c}%
1190     \if@allcaps
1191         \expandafter\uc@authornothanks\@author\and\relax
1192     \else
1193         \@author
1194     \fi
1195 \end{tabular}\par}%
1196 \vskip 1.5em%
1197 {\large
1198     \if@allcaps
1199         \uppercase\expandafter{\@date}%
1200     \else
1201         \@date
1202     \fi\par}%
1203 \end{center}\par
1204 \@thanks
1205 \vfil\null
1206 \end{titlepage}%
1207 \setcounter{footnote}{0}%
1208 \global\let\thanks\relax
1209 \global\let\maketitle\relax
1210 \global\let\@thanks\@empty
1211 \global\let\@author\@empty
1212 \global\let\@title\@empty
1213 \global\let\@date\@empty
1214 \global\let\title\relax
1215 \global\let\author\relax
1216 \global\let\date\relax
1217 \global\let\and\relax
1218 }
1219 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1220 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1221     \futurelet\@tempa\uc@ax}
1222 \def\uc@ax{%
1223     \ifx\@tempa\relax
1224     \else
1225         \\\andname \\\expandafter\uc@authornothanks
1226     \fi}
1227 \def\uc@tx{\ifx\@tempa\relax
1228     \else \expandafter\uc@ty \fi}
1229 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1230 \else
1231 \renewcommand*\maketitle{\par

```



```

1232 \begingroup
1233 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1234 \def\@makefnmark{\rlap{%
1235   \@textsuperscript{\normalfont\@thefnmark}}}%
1236 \long\def\@makefntext{\@xmakefntext{%
1237   \@textsuperscript{\normalfont\@thefnmark}}}%
1238 \if@twocolumn
1239   \ifnum \col@number=\@ne
1240     \@maketitle
1241   \else
1242     \twocolumn[\@maketitle]%
1243   \fi
1244 \else
1245   \newpage
1246   \global\@topnum\z@
1247   \@maketitle
1248 \fi
1249 \thispagestyle{plain}\@thanks
1250 \endgroup
1251 \setcounter{footnote}{0}%
1252 \global\let\thanks\relax
1253 \global\let\maketitle\relax
1254 \global\let\@maketitle\relax
1255 \global\let\@thanks\@empty
1256 \global\let\@author\@empty
1257 \global\let\@title\@empty
1258 \global\let\@date\@empty
1259 \global\let\title\relax
1260 \global\let\author\relax
1261 \global\let\date\relax
1262 \global\let\and\relax
1263 }
1264 \def\@maketitle{%
1265   \newpage
1266   \null
1267   \vskip 2em%
1268   \if@titlecentered
1269     \begin{center}%
1270       \let \footnote \thanks
1271       {\LARGE \TitleFont \@title \par}%
1272       \vskip 1.5em%
1273       {\large \TitleFont
1274         \lineskip .5em%
1275         \begin{tabular}[t]{c}%
1276           \@author
1277         \end{tabular}\par}%
1278       \vskip 1em%
1279       {\large \TitleFont \@date}%
1280     \end{center}%
1281   \else

```



```

1282     {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1283     {\large \TitleFont \lineskip .5em \tabcolsep\z@
1284       \def\and{%% \begin{tabular} has already started
1285         \end{tabular}\hskip 1em plus .17fil
1286         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}%% \end{tabular} will
1287         \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
1288     \vskip 1em {\large \TitleFont \@date}
1289 \fi
1290 \par
1291 \vskip 1.5em}
1292 \fi

```

## 7.11 arydshln-xetex-bidi.def

```

1293 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for
1294 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1295 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
1296 \expandafter\let\csname endtabular*\endcsname\endtabular
1297 \let\adl@array\@array
1298 \def\@array{\adl@everyvbox\everyvbox
1299   \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1300   \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1301   \let\adl@noalign\noalign
1302   \adl@array}
1303 \ifadl@usingarypkg
1304 \def\@testpach{\@chclass
1305   \ifnum \@lastchclass=6 \one \@chnum \@ne \else
1306   \ifnum \@lastchclass=7 5 \else
1307   \ifnum \@lastchclass=8 \tw@ \else
1308   \ifnum \@lastchclass=9 \thr@@
1309   \else \z@
1310   \ifnum \@lastchclass = 10 \else
1311   \edef\@nextchar{\expandafter\string\@nextchar}%
1312   \@chnum
1313   \if \@nextchar c\z@ \else
1314   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1315   \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1316   \z@ \@chclass
1317   \if \@nextchar | \@ne \let\@arrayrule\adl@arrayrule \else
1318   \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1319   \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1320   \if \@nextchar !6 \else
1321   \if \@nextchar @7 \else
1322   \if \@nextchar <8 \else
1323   \if \@nextchar >9 \else
1324   10
1325   \@chnum
1326   \if \@nextchar m\thr@@\else
1327   \if \@nextchar p4 \else
1328   \if \@nextchar b5 \else

```



```

1329 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi
1330 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1331
1332 \def\@classz{\@classx
1333 \@tempcnta \count@
1334 \prepnext@tok
1335 \@addtopreamble{\ifcase \@chnum
1336 \hfil
1337 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1338 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1339 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1340 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1341 \adl@endmbox\or
1342 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1343 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1344 \fi}\prepnext@tok}
1345 \def\adl@class@start{4}
1346 \def\adl@class@iiiorvii{7}
1347
1348 \else
1349 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1350 \ifnum \@lastchclass=\thr@@ 5\relax \else
1351 \z@ \if #1c\@chnum \z@ \else
1352 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1353 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1354 \@chclass
1355 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1356 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1357 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1358 \if #1@\tw@ \else
1359 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1360 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1361
1362 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1363 \or \or \@addamp \or
1364 \@acolampacol \or \@firstampfalse \@acol \fi
1365 \edef\@preamble{\@preamble
1366 \ifcase \@chnum
1367 \hfil\adl@putlrc{\$ \relax \@sharp$}\hfil
1368 \or \adl@putlrc{\$ \relax \@sharp$}\hfil
1369 \or \hfil\adl@putlrc{\$ \relax \@sharp$}\fi}}
1370 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1371 \or \or \@addamp \or
1372 \@acolampacol \or \@firstampfalse \@acol \fi
1373 \edef\@preamble{\@preamble
1374 \ifcase \@chnum
1375 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1376 \or \adl@putlrc{\@sharp\unskip}\hfil
1377 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1378 \def\adl@class@start{6}

```





```

1379 \def\adl@class@iiiorvii{3}
1380 \fi
1381 \ifpackageloaded{colortbl}{%
1382 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1383 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1384 \let\@endpbox\adl@org@endpbox}
1385 \let\adl@CT@setup\CT@setup
1386 \def\CT@setup{\adl@CT@setup
1387 \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1388 \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1389 \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1390 \let\adl@act@CT@setup\CT@setup
1391 \def\@classz{\@classx
1392 \@tempcnta\count@ \prepnext@tok
1393 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1394 \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1395 \expandafter\adl@extract@drsc
1396 \the\toks\@tempcnta\doublerulesepcolor!\@nil
1397 \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1398 \@addtopreamble{\ifRTL\beginL\fi%
1399 \setbox\z@\hbox\bgroup\bgroup\ifRTL\beginR\fi
1400 \ifcase \@chnum
1401 \hskip\stretch{.5}\kern\z@
1402 \d@llarbegin
1403 \insert@column
1404 \d@llarend\hskip\stretch{.5}%
1405 \or \d@llarbegin \insert@column \d@llarend \hfill
1406 \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1407 \or $\vcenter
1408 \startpbox{\@nextchar}\insert@column \endpbox $%
1409 \or \vtop \startpbox{\@nextchar}\insert@column \endpbox
1410 \or \vbox \startpbox{\@nextchar}\insert@column \endpbox
1411 \fi
1412 \ifRTL\endR\fi\egroup\egroup
1413 \begingroup
1414 \CT@setup
1415 \CT@column@color
1416 \CT@row@color
1417 \CT@cell@color
1418 \CT@do@color
1419 \endgroup
1420 \@tempdima\ht\z@
1421 \advance\@tempdima\minrowclearance
1422 \vrule\@height\@tempdima\@width\z@
1423 \unhbox\z@\ifRTL\endL\fi}%
1424 \prepnext@tok}
1425 \let\adl@act@classz\@classz
1426 \let\adl@org@classz\@classz
1427 }{}

```



## 7.12 bidi.sty

```
1428 \NeedsTeXFormat{LaTeX2e}
1429 \def\bididate{2014/11/08}
1430 \def\bidiversion{v15.9}
1431 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space
1432 Bidirectional typesetting in plain TeX and LaTeX]
1433 \edef\@bidi@info{*****~J%
1434 * ~J%
1435 * bidi package (Bidirectional typesetting in~J%
1436 * plain TeX and LaTeX, using XeTeX engine)~J%
1437 * ~J%
1438 * Description: A convenient interface for~J%
1439 * typesetting bidirectional texts in plain TeX~J%
1440 * and LaTeX. The package includes adaptations~J%
1441 * for use with many other commonly-used packages.~J%
1442 * ~J%
1443 * Copyright © 2009-2014 Vafa Khalighi~J%
1444 * ~J%
1445 * \bididate, \bidiversion~J%
1446 * ~J%
1447 * License: LaTeX Project Public License, version~J%
1448 * 1.3c or higher (your choice)~J%
1449 * ~J%
1450 * Location on CTAN: /macros/xetex/latex/bidi~J%
1451 * ~J%
1452 * Issue tracker: https://github.com/persian-tex/bidi/issues~J%
1453 * ~J%
1454 * Support: persian-tex@tug.org~J%
1455 *****}
1456 \typeout{\@bidi@info}
1457 \edef\bidi@everyjob{\the\everyjob}
1458 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1459 \RequirePackage{iftex}
1460 \RequireXeTeX
1461 \RequirePackage{biditools}
1462 \RequirePackage{zref-abspage}
1463 \RequirePackage{auxhook}
1464 \RequirePackage{ltxcmds}
1465 \RequirePackage{xkeyval}
1466 \eqnewif{\if@RTLmain}{\if@rlmain}
1467 \eqnewif{\if@RTL}{\if@rl}
1468 \newif\if@Latin
1469 \eqnewif{\if@RTLtab}{\if@tab@rl}
1470 \newif\if@RTLmarginpar
1471 \newif\if@LTRmarginpar
1472 \newif\if@LTRbibitems
1473 \newif\if@RTLbibitems
1474 \newif\if@extrafootnotefeatures
1475 \newif\if@parafootRTL
```



```

1476 \newif\if@RTLcolumnfootnotes
1477 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1478 \newif\if@bidi@list@minipage@parbox
1479 \newif\if@bidi@list@minipage@parbox@not@nob
1480 \RTLmainfalse
1481 \AtBeginDocument{%
1482   \if@RTLmain\else
1483     \if@RTL\@RTLmaintrue%
1484     \else\@RTLmainfalse%
1485     \fi%
1486   \fi%
1487 }
1488 \let\n@xt=\
1489 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1490 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1491 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1492 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1493 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1494   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1495 \input{latex-xetex-bidi.def}
1496 \input{loadingorder-xetex-bidi.def}
1497 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1498   \ifcase\bidi@tempb\relax
1499     \RTLtrue
1500   \or
1501     \RTLfalse
1502   \fi}
1503 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1504   \ifcase\bidi@tempb\relax
1505     \RTLtrue
1506   \or
1507     \RTLfalse
1508   \fi}
1509 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,
1510   \ifcase\bidi@tempb\relax
1511     \autofootnoterule
1512   \or
1513     \leftfootnoterule
1514   \or
1515     \rightfootnoterule
1516   \or
1517     \SplitFootnoteRule
1518   \or
1519     \textwidthfootnoterule
1520   \fi}
1521 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttorigh
1522   \ifcase\bidi@tempb\relax
1523     \RTL@footnotetrue
1524   \or
1525     \RTL@footnotefalse

```



```

1526 \fi}
1527 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1528 \ifcase\bidi@tempb\relax
1529 \footdir@debugtrue
1530 \or
1531 \footdir@debugfalse
1532 \fi}
1533 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1534 \ifcase\bidi@tempb\relax
1535 \@extrafootnotefeaturestrue
1536 \or
1537 \@extrafootnotefeaturesfalse
1538 \fi}
1539
1540 \ProcessOptionsX
1541
1542 \if@extrafootnotefeatures
1543 \input{extrafootnotefeatures-xetex-bidi.def}
1544 \fi

```

### 7.13 bidi.tex

```

1545 \def\bididate{2014/11/08}
1546 \def\bidiversion{v0.2}
1547 \catcode\@=11
1548 \let \protect \relax
1549 \newlinechar``^^J
1550 \edef\@bidi@info{*****^^J%
1551 * ^^J%
1552 * bidi package (Bidirectional typesetting in^^J%
1553 * plain TeX and LaTeX, using XeTeX engine)^^J%
1554 * ^^J%
1555 * Description: A convenient interface for^^J%
1556 * typesetting bidirectional texts in plain TeX^^J%
1557 * and LaTeX. The package includes adaptations^^J%
1558 * for use with many other commonly-used packages.^^J%
1559 * ^^J%
1560 * Copyright © 2009-2014 Vafa Khalighi^^J%
1561 * ^^J%
1562 * \bididate, \bidiversion^^J%
1563 * ^^J%
1564 * License: LaTeX Project Public License, version^^J%
1565 * 1.3c or higher (your choice)^^J%
1566 * ^^J%
1567 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1568 * ^^J%
1569 * Issue tracker: https://github.com/persian-tex/bidi/issues^^J%
1570 * ^^J%
1571 * Support: persian-tex@tug.org^^J%
1572 *****}

```



```

1573 \message{\@bidi@info}
1574 \edef\bidi@everyjob{\the\everyjob}
1575 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1576 \input iftex.sty
1577 \RequireXeTeX
1578 \newif\if@RTLmain
1579 \newif\if@RTL
1580 \newif\if@sentsdir
1581 \newif\if@RTL@footnote
1582 \@RTLmainfalse
1583 \def\setRTLmain{%
1584   \if@RTLmain\else
1585     \if@RTL\@RTLmaintrue%
1586     \else\@RTLmainfalse%
1587     \fi%
1588   \fi%
1589 }
1590 \let\n@xt=\
1591 \protected\def\LRE{\protect\pLRE}%
1592 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1593 \protected\def\RLE{\protect\pRLE}
1594 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1595 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1596   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1597 \input plain-xetex-bidi.def
1598 \catcode`\@=12

```

## 7.14 bidi2in1.sty

```

1599 \NeedsTeXFormat{LaTeX2e}
1600 \ProvidesPackage{bidi2in1}
1601 \pagestyle{plain}
1602 \newcount\evenpage
1603 \newcount\oddpge
1604 \twocolumn
1605 \def\@oddfoot{\evenpage=\thepage%
1606 \multiply\evenpage by 2%
1607 \oddpge=\the\evenpage%
1608 \advance\oddpge by -1%
1609 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1610 \def\@evenfoot{\evenpage=\thepage%
1611 \multiply\evenpage by 2%
1612 \oddpge=\the\evenpage%
1613 \advance\oddpge by -1%
1614 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1615 \textwidth 9.49in
1616 \textheight 6.7in
1617 \columnsep 0.9in
1618 \columnseprule 0.125pt
1619 \headheight 0cm

```



```

1620 \topmargin 0in
1621 \marginparwidth 0in
1622 \marginparsep 0in
1623 \hoffset 0.05in % Corrected
1624 \voffset -0.5in %top margin space is 1.0in by default
1625 \oddsidemargin 0in
1626 \evensidemargin 0in
1627 \headsep 0cm
1628 \topskip 0cm
1629 \parskip 0.15in      %
1630 \headsep 0pt
1631 \special{papersize=11.69in,8.26in}
1632 \renewcommand\maketitle{\par
1633 \begingroup
1634 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1635 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1636 \long\def\@makefntext##1{\parindent 1em\noindent
1637 \hb@xt@1.8em{%
1638 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1639 \@maketitle
1640 \@thanks
1641 \endgroup
1642 \setcounter{footnote}{0}%
1643 \global\let\thanks\relax
1644 \global\let\maketitle\relax
1645 \global\let\@maketitle\relax
1646 \global\let\@thanks\@empty
1647 \global\let\@author\@empty
1648 \global\let\@date\@empty
1649 \global\let\@title\@empty
1650 \global\let\title\relax
1651 \global\let\author\relax
1652 \global\let\date\relax
1653 \global\let\and\relax
1654 }

```

## 7.15 bidicode.sty

```

1655 \NeedsTeXFormat{LaTeX2e}
1656 \ProvidesPackage{bidicode}
1657 \RequirePackage{xcolor}
1658 \RequirePackage{showexpl}
1659 \definecolor{hellgelb}{rgb}{1,1,0.85}
1660 \definecolor{colKeys}{rgb}{0,0,1}
1661 \definecolor{colIdentifier}{rgb}{0,0,0}
1662 \definecolor{colComments}{rgb}{1,0,0}
1663 \definecolor{colString}{rgb}{0,0.5,0}
1664 \lstset{
1665     language=[LaTeX]TEX,
1666     float=hbp,

```



```

1667 basicstyle=\ttfamily\small,
1668 identifierstyle=\color{colIdentifier},
1669 keywordstyle=\color{colKeys},
1670 stringstyle=\color{colString},
1671 commentstyle=\color{colComments},
1672 columns=flexible,
1673 tabsize=4,
1674 gobble =1,
1675 extendedchars=true,
1676 showspaces=false,
1677 showstringspaces=false,
1678 numbers=left,
1679 numbersep=0.9em,
1680 numberstyle=\tiny, %
1681 frame=single,
1682 captionpos=b,
1683 xleftmargin=1em,
1684 breaklines=true,
1685 breakautoindent=false,
1686 breakindent=0pt,
1687 escapeinside=**,
1688 pos=r,
1689 explpreset={%
1690 xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1691 morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1692 }
1693 \newcommand\HLON{%
1694 \gdef\lst@alloverstyle##1{%
1695 \fboxrule=0pt
1696 \fboxsep=0pt
1697 \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1698 }}
1699 \newcommand\HLOFF{%
1700 \xdef\lst@alloverstyle##1{##1}%
1701 }
1702 \newcommand\Larg [1]{\{\normalfont\itshape#1/\}}
1703 \newcommand\Larga[1]{\$\angle$\Larg{#1}$\rangle$}
1704 \newcommand\Largb[1]{\lcb\Larg{#1}\rcb}
1705 \newcommand\Largs[1]{\lsb\Larg{#1}\rsb}
1706 \newcommand\Largr[1]{\lrb\Larg{#1}\rrb}
1707 \newcommand\LBEG[1]{\{\normalfont\ttfamily\bs{}\begin\lcb#1\rcb\}}
1708 \newcommand\LEND[1]{\{\normalfont\ttfamily\bs{}\end\lcb#1\rcb\}}
1709
1710 \DeclareRobustCommand\bs{\{\normalfont\ttfamily\symbol{92}\}}
1711 \DeclareRobustCommand\lcb{\{\normalfont\ttfamily\char`\{}}
1712 \DeclareRobustCommand\rcb{\{\normalfont\ttfamily\char`\}}
1713 \DeclareRobustCommand\lsb{\{\normalfont\ttfamily[}}
1714 \DeclareRobustCommand\rsb{\{\normalfont\ttfamily]}}
1715 \DeclareRobustCommand\lrb{\{\normalfont\ttfamily(}}
1716 \DeclareRobustCommand\rrb{\{\normalfont\ttfamily)}}

```



```

1717
1718 \def\Lcs#1{\nxLcs{#1}}
1719 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1720 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1721
1722 \def\Coordx#1{$x_{#1}$}
1723 \def\Coordy#1{$y_{#1}$}
1724 \def\Coordz#1{$z_{#1}$}
1725 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1726 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1727 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1728 \def\CAny{\Coordx{}}\kern 1pt\Coordy{}
1729 \def\CIIAny{\Coordx{}}\kern 1pt\Coordy{}}\kern 1pt\Coordz{}
1730 \def\coord#1{(\Coordx{#1},\kern 1pt\Coordy{#1})}
1731 \def\coordn{(\Coordx{n},\kern 1pt\Coordy{n})}
1732 \def\coordiii#1{(\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1})}
1733 \def\coordx#1{($x_{#1}$)}
1734 \def\coordy#1{($y_{#1}$)}
1735 \def\coordz#1{($z_{#1}$)}
1736 \def\cAny{(\Coordx{}}\kern 1pt\Coordy{}}
1737 \def\ciiAny{(\Coordx{}}\kern 1pt\Coordy{}}\kern 1pt\Coordz{}}
1738
1739 \newsavebox{\boxdef}
1740 \newenvironment{BDef}
1741   {\begin{lrbox}\boxdef
1742     \def\arraystretch{1.0}
1743     \begin{tabular}{@{}l@{}l@{}l@{}}
1744   }
1745   {\end{tabular}\end{lrbox}}
1746
1747   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1748   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1749 }
1750
1751 \newenvironment{BDef*}
1752   {\begin{lrbox}\boxdef
1753     \def\arraystretch{1.0}
1754     \begin{tabular}{@{}l@{}l@{}l@{}}
1755   }
1756   {\end{tabular}\end{lrbox}
1757   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
1758   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1759 }
1760 \newenvironment{BCmd}{
1761   \@beginparpenalty-\@lowpenalty
1762   \topsep\BDefaboveskip
1763   \fbboxsep3pt
1764   \flushleft}
1765   {\@endparpenalty\@M
1766   \@topsepadd\BDefbelowskip

```





```

1767 \endflushleft}
1768
1769 \newenvironment{BCmd*}{
1770 \@beginparpenalty\@M
1771 \topsep\BDefinelineskip
1772 \fboxsep3pt
1773 \flushleft}
1774 {\@endparpenalty5000
1775 \endflushleft}
1776
1777 \newskip\BDefaboveskip
1778 \newskip\BDefbelowskip
1779 \newskip\BDefinelineskip
1780 \setlength\BDefaboveskip{10pt plus 4pt}
1781 \setlength\BDefbelowskip{6pt}
1782 \setlength\BDefinelineskip{6pt}
1783
1784 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
1785 \def\OptArg{\@ifnextchar*\OptArgi{\OptArgii*}}
1786 \def\OptArgi*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
1787 \def\OptArgii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

## 7.16 bidiftnxtra.sty

```

1788 \NeedsTeXFormat{LaTeX2e}
1789 \ProvidesPackage{bidiftnxtra}
1790 \newtoks\bidip@p@ftn
1791 \let\FN@sfc@footnote\footnote
1792 \let\FN@sfc@LTRfootnote\LTRfootnote
1793 \let\FN@sfc@RTLfootnote\RTLfootnote
1794 \def\footnote{\ifx\protect\@typeset@protect
1795 \expandafter\FN@sfc@footnote
1796 \else
1797 \expandafter\FN@sfc@gobble@opt
1798 \fi
1799 }
1800 \def\LTRfootnote{\ifx\protect\@typeset@protect
1801 \expandafter\FN@sfc@LTRfootnote
1802 \else
1803 \expandafter\FN@sfc@gobble@opt
1804 \fi
1805 }
1806 \def\RTLfootnote{\ifx\protect\@typeset@protect
1807 \expandafter\FN@sfc@RTLfootnote
1808 \else
1809 \expandafter\FN@sfc@gobble@opt
1810 \fi
1811 }
1812 \edef\FN@sfc@gobble@opt{\noexpand\protect
1813 \expandafter\noexpand\csname FN@sfc@gobble@opt \endcsname}

```



```

1814 \expandafter\def\csname FN@sfgobble@opt \endcsname{%
1815   \ifnextchar[%]
1816     \FN@sfgobble@twobrace
1817     \@gobble
1818 }
1819 \def\FN@sfgobble@twobrace[#1]#2{%
1820 \let\FN@sfgobble@footnotemark\footnotemark
1821 \def\footnotemark{\ifx\protect\@typeset@protect
1822   \expandafter\FN@sfgobble@footnotemark
1823   \else
1824     \expandafter\FN@sfgobble@optonly
1825   \fi
1826 }
1827 \edef\FN@sfgobble@optonly{\noexpand\protect
1828   \expandafter\noexpand\csname FN@sfgobble@optonly \endcsname}
1829 \expandafter\def\csname FN@sfgobble@optonly \endcsname{%
1830   \ifnextchar[%]
1831     \FN@sfgobble@brace
1832     }%
1833 }
1834 \def\FN@sfgobble@brace[#1]{%
1835 \def\@tabular{\ifRTL\global\@RTLtabtrue\fi
1836   \leavevmode \hbox \bgroup
1837   \let\@footnotetext\@bidi@p@ftntext
1838   \let\@LTRfootnotetext\@bidi@p@LTRftntext
1839   \let\@RTLfootnotetext\@bidi@p@RTLftntext
1840   \let\@xfootnotenext\@bidi@p@xftntext
1841   \let\@xfootnote\@bidi@p@xfootnote
1842   \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
1843   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
1844   \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
1845   \let\@xRTLfootnote\@bidi@p@xRTLfootnote
1846   \ifRTLtab\beginR \fi
1847   $\let\@acol\@tabacol
1848   \let\@class\@tabclass
1849   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
1850 \def\endtabular{\crr\egroup\ifRTLtab\egroup\endR\egroup\fi
1851   \egroup $\ifRTLtab\endR\fi\egroup
1852   \ifx\@capytype\@undefined
1853     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi%
1854     \global\@RTLtabfalse}
1855 \long\def\@bidi@p@ftntext#1{%
1856   \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
1857   \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
1858 \long\def\@bidi@p@LTRftntext#1{%
1859   \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
1860   \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
1861 \long\def\@bidi@p@RTLftntext#1{%
1862   \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
1863   \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%

```



```

1864
1865
1866 \long\def\bidip@xftntext[#1]#2{%
1867   \global\bidip@ftn\expandafter{\the\bidip@ftn\footnotetext[#1]{#2}}
1868
1869 \long\def\bidip@xLTRftntext[#1]#2{%
1870   \global\bidip@ftn\expandafter{\the\bidip@ftn\LTRfootnotetext[#1]{#2}}
1871
1872 \long\def\bidip@xRTLftntext[#1]#2{%
1873   \global\bidip@ftn\expandafter{\the\bidip@ftn\RTLfootnotetext[#1]{#2}}
1874
1875
1876 \def\bidip@xfootnote[#1]{%
1877   \begingroup
1878     \csname c@\mpfn\endcsname #1\relax
1879     \unrestored@protected@xdef\@thefnmark{\thempfn}%
1880   \endgroup
1881   \@footnotemark\bidip@xftntext[#1]}
1882
1883
1884 \def\bidip@xLTRfootnote[#1]{%
1885   \begingroup
1886     \csname c@\mpfn\endcsname #1\relax
1887     \unrestored@protected@xdef\@thefnmark{\thempfn}%
1888   \endgroup
1889   \@footnotemark\bidip@xLTRftntext[#1]}
1890
1891
1892 \def\bidip@xRTLfootnote[#1]{%
1893   \begingroup
1894     \csname c@\mpfn\endcsname #1\relax
1895     \unrestored@protected@xdef\@thefnmark{\thempfn}%
1896   \endgroup
1897   \@footnotemark\bidip@xRTLftntext[#1]}
1898
1899 \def\@xfloat #1[#2]{%
1900   \@nodocument
1901   \def \@captype {#1}%
1902   \def \@fps {#2}%
1903   \@onelevel@sanitize \@fps
1904   \def \reserved@b {!}%
1905   \ifx \reserved@b \@fps
1906     \@fpsadddefault
1907   \else
1908     \ifx \@fps \@empty
1909       \@fpsadddefault
1910     \fi
1911   \fi
1912   \ifhmode
1913     \@bsphack

```



```

1914 \floatpenalty -\@Mii
1915 \else
1916 \floatpenalty-\@Miii
1917 \fi
1918 \ifinner
1919 \@parmoderr\floatpenalty\z@
1920 \else
1921 \@next\@currbox\@freelist
1922 {%
1923 \@tempcnta \sixt@n
1924 \expandafter \@tfor \expandafter \reserved@a
1925 \expandafter :\expandafter =\@fps
1926 \do
1927 {%
1928 \if \reserved@a h%
1929 \ifodd \@tempcnta
1930 \else
1931 \advance \@tempcnta \@ne
1932 \fi
1933 \fi
1934 \if \reserved@a t%
1935 \@setfpsbit \tw@
1936 \fi
1937 \if \reserved@a b%
1938 \@setfpsbit 4%
1939 \fi
1940 \if \reserved@a p%
1941 \@setfpsbit 8%
1942 \fi
1943 \if \reserved@a !%
1944 \ifnum \@tempcnta>15
1945 \advance\@tempcnta -\sixt@n\relax
1946 \fi
1947 \fi
1948 }%
1949 \@tempcntb \csname ftype@\@capytype \endcsname
1950 \multiply \@tempcntb \@xxxii
1951 \advance \@tempcnta \@tempcntb
1952 \global \count\@currbox \@tempcnta
1953 }%
1954 \@fltovf
1955 \fi
1956 \global \setbox\@currbox
1957 \color@vbox
1958 \normalcolor
1959 \vbox \bgroup
1960 \let\@footnotetext\@bidi@p@fnttext
1961 \let\@LTRfootnotetext\@bidi@p@LTRfnttext
1962 \let\@RTLfootnotetext\@bidi@p@RTLfnttext
1963 \let\@xfootnotenext\@bidi@p@xftnttext

```



```

1964      \let\@xfootnote\@bidi@p@xfootnote
1965      \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
1966      \let\@xLTRfootnote\@bidi@p@xLTRfootnote
1967      \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
1968      \let\@xRTLfootnote\@bidi@p@xRTLfootnote
1969      \hsize\columnwidth
1970      \@parboxrestore
1971      \@floatboxreset
1972 }
1973 \def \@endfloatbox{%
1974     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
1975     \@minipagefalse
1976     \outer@nobreak
1977     \egroup                %% end of vbox
1978     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn
1979     \color@endbox
1980 }

```

## 7.17 bidi-longtable.sty

```

1981 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (ex
1982 \def\longtable{\if@RTL\@RTLtabtrue\fi%
1983   \par
1984   \ifx\multicols\@undefined
1985   \else
1986     \ifnum\col@number>\@ne
1987     \@twocolumntrue
1988     \fi
1989   \fi
1990   \if@twocolumn
1991     \LT@err{longtable not in 1-column mode}\@ehc
1992   \fi
1993   \begingroup
1994   \@ifnextchar[\LT@array{\LT@array[x]}%
1995 \def\endlongtable{%
1996   \crr
1997   \noalign{%
1998     \let\LT@entry\LT@entry@chop
1999     \xdef\LT@save@row{\LT@save@row}}%
2000   \LT@echunk
2001   \LT@start
2002   \unvbox\z@
2003   \LT@get@widths
2004   \if@filesw
2005     {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2006       \gdef\expandafter\noexpand
2007         \csname LT@\romannumeral\c@LT@tables\endcsname
2008         {\LT@save@row}}}%
2009   \fi
2010   \ifx\LT@save@row\LT@@save@row

```



```

2011 \else
2012   \LT@warn{Column \@width s have changed\MessageBreak
2013           in table \thetable}%
2014   \LT@final@warn
2015 \fi
2016 \endgraf\penalty -\LT@end@pen
2017 \endgroup
2018 \global\@mparbottom\z@
2019 \pagegoal\vsizel
2020 \endgraf\penalty\z@\addvspace\LTpost
2021 \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2022 \def\LT@output{%
2023   \ifnum\outputpenalty <-\@Mi
2024     \ifnum\outputpenalty > -\LT@end@pen
2025       \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2026     \else
2027       \setbox\z@\vbox{\unvbox\@cclv}%
2028       \ifdim \ht\LT@lastfoot>\ht\LT@foot
2029         \dimen@\pagegoal
2030         \advance\dimen@-\ht\LT@lastfoot
2031         \ifdim\dimen@<\ht\z@
2032           \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2033           \@makecol
2034           \@outputpage
2035           \setbox\z@\vbox{\box\LT@head}%
2036         \fi
2037       \fi
2038       \global\@colroom\@colht
2039       \global\vsizel\@colht
2040       \vbox
2041       {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastf
2042       \fi
2043     \else
2044       \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RTLta
2045       \@makecol
2046       \@outputpage
2047       \global\vsizel\@colroom
2048       \copy\LT@head\nobreak
2049     \fi}

```

## 7.18 bidimoderncv.cls

```

2050 \NeedsTeXFormat{LaTeX2e}
2051 \ProvidesClass{bidimoderncv}
2052 \newif\if@DEBUG\@DEBUGfalse
2053 \DeclareOption{a4paper}{
2054   \setlength\paperheight{297mm}
2055   \setlength\paperwidth{210mm}}
2056 \DeclareOption{a5paper}{
2057   \setlength\paperheight{210mm}

```



```

2058 \setlength\paperwidth{148mm}}
2059 \DeclareOption{b5paper}{
2060 \setlength\paperheight{250mm}
2061 \setlength\paperwidth{176mm}}
2062 \DeclareOption{letterpaper}{
2063 \setlength\paperheight{11in}
2064 \setlength\paperwidth{8.5in}}
2065 \DeclareOption{legalpaper}{
2066 \setlength\paperheight{14in}
2067 \setlength\paperwidth{8.5in}}
2068 \DeclareOption{executivepaper}{
2069 \setlength\paperheight{10.5in}
2070 \setlength\paperwidth{7.25in}}
2071 \DeclareOption{landscape}{
2072 \setlength\@tempdima{\paperheight}
2073 \setlength\paperheight{\paperwidth}
2074 \setlength\paperwidth{\@tempdima}}
2075 \newcommand\@ptsize{
2076 \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2077 \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2078 \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2079 \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2080 \DeclareOption{final}{\setlength\overfullrule{0pt}}
2081 \newif\if@colour\@colourtrue
2082 \DeclareOption{nocolour}{\@colourfalse}
2083 \ExecuteOptions{a4paper,11pt,colour,final}
2084 \ProcessOptions\relax
2085 \input{size1\@ptsize.clo}
2086 \RequirePackage{color}
2087 \RequirePackage{graphicx}
2088 \RequirePackage{ifthen}
2089 \RequirePackage{marvosym}
2090 \addtolength{\oddsidemargin}{-54pt}
2091 \addtolength{\textwidth}{109pt}
2092 \addtolength{\topmargin}{-70pt}
2093 \addtolength{\textheight}{122pt}
2094 \addtolength{\marginparsep}{-5pt}
2095 \addtolength{\marginparwidth}{-10pt}
2096 \RequirePackage{url}
2097 \RequirePackage{hyperref}
2098 \hypersetup{
2099 breaklinks,
2100 baseurl = http://,%
2101 pdfborder = 0 0 0,%
2102 pdfpagemode = UseNone,%
2103 pdfstartpage = 1}
2104 \AtEndOfClass{
2105 \AtBeginDocument{
2106 \hypersetup{
2107 pdfauthor = \@firstname~\@familyname,%

```



```

2108 pdftitle = \@title,%
2109 pdfsubject = \@firstname~\@familyname,%
2110 pdfkeywords = \@resumename~\@firstname~\@familyname}}}
2111 \urlstyle{tt}
2112 \RequirePackage{fancyhdr}
2113 \fancypagestyle{plain}{%
2114 \renewcommand{\headrulewidth}{0pt}
2115 \renewcommand{\footrulewidth}{0pt}
2116 \fancyhf{}}
2117 \pagestyle{plain}
2118 \setlength\lineskip{1\p@}
2119 \setlength\normallineskip{1\p@}
2120 \renewcommand\baselinestretch{}
2121 \setlength{\parindent}{0pt}
2122 \setlength{\parskip}{0pt}
2123 \setlength\columnsep{10\p@}
2124 \setlength\columnseprule{0\p@}
2125 \pagestyle{empty}
2126 \pagenumbering{arabic}
2127 \raggedbottom
2128 \onecolumn
2129 \providecommand*\listitemsymbol{\textbullet}
2130 \providecommand*\addresssymbol{}
2131 \providecommand*\mobilesymbol{\Mobilefone}
2132 \providecommand*\phonesymbol{\Telefon}
2133 \providecommand*\faxsymbol{\FAX}
2134 \providecommand*\emailsymbol{\Letter}
2135 \definecolor{firstnamedcolor}{rgb}{0,0,0}
2136 \def\firstnamedcolour#1{\gdef\@firstnamedcolour{\addfontfeature{Color=#1}}}
2137 \def\familynamedcolour#1{\gdef\@familynamedcolour{\addfontfeature{Color=#1}}}
2138 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2139 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2140 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2141 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2142 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2143 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2144 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2145 \providecommand*\firstnamedfont{}
2146 \providecommand*\familynamedfont{}
2147 \providecommand*\titlefont{}
2148 \providecommand*\addressfont{}
2149 \providecommand*\quotefont{}
2150 \providecommand*\sectionfont{}
2151 \providecommand*\subsectionfont{}
2152 \providecommand*\hintfont{\small}
2153 \providecommand*\firstnamedstyle[1]{\@firstnamedfont\@firstnamedcolour#1}
2154 \providecommand*\familynamedstyle[1]{\@familynamedfont\@familynamedcolour#1}
2155 \providecommand*\titlestyle[1]{\@titlefont\@titlecolour#1}
2156 \providecommand*\addressstyle[1]{\@addressfont\@addresscolour#1}
2157 \providecommand*\quotestyle[1]{\@quotefont\@quotecolour#1}

```





```

2158 \providecommand*\sectionstyle}[1]{\sectionfont\@sectiontitlecolour#1}
2159 \providecommand*\subsectionstyle}[1]{\subsectionfont\@subsectioncolour#1}
2160 \providecommand*\hintstyle}[1]{\hintfont\@hintcolour#1}
2161 \newcommand*\cvtheme}[2][{}{
2162   \def\@cvtheme#2}
2163   \def\@cvthemeoptions#1}
2164 \cvtheme{bidi-casual}
2165 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2166 \newcommand*\resumename}[1]{\def\@resumename#1}
2167 \newcommand*\firstname}[1]{\def\@firstname#1}
2168 \newcommand*\familyname}[1]{\def\@familyname#1}
2169 \renewcommand*\title}[1]{\def\@title#1}
2170 \newcommand*\address}[1]{\def\@address#1}
2171 \newcommand*\mobile}[1]{\def\@mobile#1}
2172 \newcommand*\phone}[1]{\def\@phone#1}
2173 \renewcommand*\fax}[1]{\def\@fax#1}
2174 \newcommand*\email}[1]{\def\@email#1}
2175 \newcommand*\extrainfo}[1]{\def\@extrainfo#1}
2176 \def\@photowidth{0pt}
2177 \newcommand*\photo}[2][64pt]{\def\@photowidth#1\def\@photo#2}
2178 \newcommand*\quote}[1]{\def\@quote#1}
2179 \newlength{\quotewidth}
2180 \newlength{\hintscolumnwidth}
2181 \newlength{\separatorcolumnwidth}
2182 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2183 \newlength{\maincolumnwidth}
2184 \newlength{\doubleitemmaincolumnwidth}
2185 \newlength{\listitemsymbolwidth}
2186 \settowidth{\listitemsymbolwidth}{\listitemsymbol{~}}
2187 \newlength{\listitemmaincolumnwidth}
2188 \newlength{\listdoubleitemmaincolumnwidth}
2189 \newcommand*\recomputethemelengths{}
2190 \newcommand*\recomputelengths{%
2191   \setlength{\quotewidth}{0.65\textwidth}%
2192   \setlength{\maincolumnwidth}{\textwidth}%
2193   \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2194   \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2195   \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2196   \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2197   \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2198   \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2199   \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2200   \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2201   \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2202   \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2203   \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2204   \renewcommand{\headwidth}{\textwidth}%
2205   \recomputethemelengths}
2206 \setlength{\hintscolumnwidth}{0.15\textwidth}
2207 \recomputelengths

```



```

2208 \title{}
2209 \renewcommand*{\maketitle}{}
2210 \newcommand*{\section}[1]{%
2211 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2212 \phantomsection}%
2213 \addcontentsline{toc}{part}{#1}%
2214 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}\section{#1}}}%
2215 \hspace{\separatorcolumnwidth}%
2216 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\{1ex\}}
2217 \newcommand*{\subsection}[1]{%
2218 \cvline[0.45em]{\subsectionstyle{#1}}}%
2219 \newcommand*{\cvline}[3][.25em]{%
2220 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{\hspace{\separatorcolumnwidth}}}%
2221 \bidi@raggedleft\hintfont{#2} &{#3}%
2222 \end{tabular}}\{#1\}}
2223 \newcommand*{\cvdoubleitem}[4]{%
2224 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2225 \hfill%
2226 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\separatorcolumnwidth}%
2227 \newcommand*{\cvlistitem}[2][\listitemsymbol]{%
2228 \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}}%
2229 \newcommand*{\cvlistdoubleitem}[3][\listitemsymbol]{%
2230 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2231 \hfill%
2232 \ifthenelse{equal{#3}{}}%
2233 {}%
2234 {#1~\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}%
2235 \newcommand*{\cventry}[6]{%
2236 \cvline{#1}{%
2237 {\bfseries#2}%
2238 \ifx#3\else{, {\slshape#3}}\fi%
2239 \ifx#4\else{, #4}\fi%
2240 \ifx#5\else{, #5}\fi%
2241 .}%
2242 \ifx#6\else{\newline}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2243 }%
2244 \newcommand*{\cvlanguage}[3]{%
2245 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{minipage}[t]{.775\maincolumnwidth}\textbf{#3}\end{minipage}}}%
2246 \newcommand*{\cvcomputer}[4]{%
2247 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2248 \newcommand*{\link}[2][\link]{%
2249 \ifthenelse{equal{#1}{}}%
2250 {\href{#2}{#2}}%
2251 {\href{#2}{#1}}}
2252 \newcommand*{\httplink}[2][\httplink]{%
2253 \ifthenelse{equal{#1}{}}%
2254 {\href{http://#2}{#2}}%
2255 {\href{http://#2}{#1}}}
2256 \newcommand*{\emailink}[2][\emailink]{%
2257 \ifthenelse{equal{#1}{}}%

```



```

2258     {\href{mailto:#2}{#2}}%
2259     {\href{mailto:#2}{#1}}%
2260 \newif\if@displaypagenumbers\@displaypagenumberstrue
2261 \newcommand*{\nopagenumbers}{\@displaypagenumbersfalse}
2262 \AtBeginDocument{%
2263   \if@displaypagenumbers%
2264     \ifundefined{r@lastpage}{\}%
2265     \ifthenelse{\pageref{lastpage} > 1}{%
2266       \fancypagestyle{plain}{%
2267         \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL\endL\pageref
2268         \pagestyle{plain}}}{}}%
2269   \AtEndDocument{\label{lastpage}}%
2270   \fi}
2271 \newlength{\bibindent}
2272 \setlength{\bibindent}{1.5em}
2273 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2274 \newenvironment{thebibliography}[1]%
2275   {%
2276     \section{\refname}%
2277     \small%
2278     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2279     \begin{list}{\bibliographyitemlabel}%
2280       {%
2281         \setlength{\topsep}{0pt}%
2282         \setlength{\labelwidth}{\hintscolumnwidth}%
2283         \setlength{\labelsep}{\separatorcolumnwidth}%
2284         \leftmargin\labelwidth%
2285         \advance\leftmargin\labelsep%
2286         \@openbib@code%
2287         \usecounter{enumiv}%
2288         \let\p@enumiv\@empty%
2289         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2290         \sloppy\clubpenalty4000\widowpenalty4000%
2291       }%
2292     {%
2293       \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2294       \end{list}%
2295     }
2296 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2297 \let\@openbib@code\@empty

```

## 7.19 biditools.sty

```

2298 \NeedsTeXFormat{LaTeX2e}
2299 \ProvidesPackage{biditools}[2013/04/10 v0.2 Programming tools for bidi package]
2300 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\relax
2301   \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2302   \ifx\@tempa\@tempb \global\let#2#1%
2303   \else
2304     \edef\@tempb{\meaning#2}%

```



```

2305 \ifx\@tempa\@tempb
2306 \else
2307 \latex@error{Unable to properly define \string#2; primitive
2308 \noexpand#1no longer primitive}\@eha
2309 \fi
2310 \fi
2311 \endgroup}
2312 \def\@tagsextension{clo}
2313 \def\@definitionfileextension{def}
2314 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2315 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2316 \def\eqnewif#1#2{%
2317 \count@\escapechar \escapechar\m@ne
2318 \let#1\iffalse
2319 \let#2\iffalse
2320 \eq@if#1#2\iftrue
2321 \eq@if#1#2\iffalse
2322 \escapechar\count@}
2323 \def\eq@if#1#2#3{%
2324 \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2325 \expandafter\@gobbletwo\string#3\endcsname
2326 {\let#1#3%
2327 \let#2#3}%
2328 \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2329 \expandafter\@gobbletwo\string#3\endcsname
2330 {\let#2#3%
2331 \let#1#3}}
2332 \newcommand*{\if@bidi@csdef}[1]{%
2333 \ifcsname#1\endcsname
2334 \expandafter\@firstoftwo
2335 \else
2336 \expandafter\@secondoftwo
2337 \fi}
2338 \newcommand*{\if@bidi@csundef}[1]{%
2339 \ifcsname#1\endcsname
2340 \expandafter\ifx\csname#1\endcsname\relax
2341 \expandafter\expandafter
2342 \expandafter\@firstoftwo
2343 \else
2344 \expandafter\expandafter
2345 \expandafter\@secondoftwo
2346 \fi
2347 \else
2348 \expandafter\@firstoftwo
2349 \fi}
2350 \newcommand{\if@bidi@def}[1]{%
2351 \ifdefined#1%
2352 \expandafter\@firstoftwo
2353 \else
2354 \expandafter\@secondoftwo

```



```

2355 \fi}
2356 \newcommand{\if@bidi@undef}[1]{%
2357 \ifdefined#1%
2358 \ifx#1\relax
2359 \expandafter\expandafter
2360 \expandafter\@firstoftwo
2361 \else
2362 \expandafter\expandafter
2363 \expandafter\@secondoftwo
2364 \fi
2365 \else
2366 \expandafter\@firstoftwo
2367 \fi}
2368 \newcommand{\if@bidi@blank}[1]{% from url.sty
2369 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2370 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2371 \newcommand{\bidi@notblank}[1]{%
2372 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2373 \newcommand{\if@bidi@defmacro}{%
2374 \long\edef\if@bidi@defmacro#1{%
2375 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2376 \noexpand\meaning#1\detokenize{macro}:&}
2377 \edef\bidi@ifdefmacro{%
2378 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2379 \bidi@ifdefmacro{\bidi@notblank{#2}}
2380 \newcommand*{\if@bidi@csmacro}[1]{%
2381 \if@bidi@csdef{#1}
2382 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2383 {\@secondoftwo}}
2384 \newcommand{\if@bidi@defprimitive}[1]{%
2385 \ifprimitive#1%
2386 \expandafter\@firstoftwo
2387 \else
2388 \expandafter\@secondoftwo
2389 \fi}
2390 \newcommand{\if@bidi@csprimitive}[1]{%
2391 \begingroup\expandafter\expandafter\endgroup%
2392 \expandafter\ifprimitive\csname#1\endcsname%
2393 \expandafter\@firstoftwo
2394 \else
2395 \expandafter\@secondoftwo
2396 \fi}
2397 \newcommand*{\bidi@csdefcs}[2]{%
2398 \expandafter\@ifdefinable \csname#1\endcsname{%
2399 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2400 \newcommand*{\bidi@csletcs}[2]{%
2401 \expandafter\@ifdefinable \csname#1\endcsname{%
2402 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2403 \newcommand*{\bidi@cslet}[2]{%
2404 \expandafter\@ifdefinable \csname#1\endcsname{%

```



```

2405 \expandafter\let\csname#1\endcsname#2}}
2406 \newcommand{\bidi@namelongdef}[1]{%
2407   \long\expandafter\def\csname #1\endcsname{
2408   \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2409   \def\bidi@ensure@new@command#1{%
2410     \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup
2411     \expandafter\if@bidi@csundef\@gtempa
2412       {\new@command#1}{\relax%
2413       \let\@ifdefinable\@rc@ifdefinable%
2414       \new@command#1}}
2415   \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2416
2417   \protected\def\bidi@error{\PackageError{bidi}}
2418   \protected\def\bidi@warning{\PackageWarning{bidi}}
2419   \protected\def\bidi@info{\PackageInfo{bidi}}
2420
2421   \newcommand*{\bidi@newrobustcmd}{}
2422   \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2423
2424   \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2425
2426   \def\bidi@newcommand#1[#2]{%
2427     \@ifnextchar[%]
2428       {\bidi@xargdef#1[#2]}
2429       {\ifx\l@ngrel@x\relax
2430         \let\l@ngrel@x\protected
2431         \else
2432         \protected\def\l@ngrel@x{\protected\long}%
2433         \fi
2434         \@argdef#1[#2]}}
2435
2436   \long\def\bidi@xargdef#1[#2][#3]#4{%
2437     \@ifdefinable#1{%
2438       \expandafter\protected
2439       \expandafter\def
2440       \expandafter#1%
2441       \expandafter{%
2442         \expandafter\@testopt
2443         \csname\string#1\endcsname{#3}}}%
2444     \expandafter\@yargdef\csname\string#1\endcsname\tw@{#2}{#4}}}
2445
2446   \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2447
2448   \def\bidi@renew@command#1{%
2449     \if@bidi@undef{#1}
2450       {\bidi@error{\string#1 undefined}\@ehc}
2451       {}%
2452     \let\@ifdefinable\@rc@ifdefinable
2453     \bidi@new@command#1}
2454

```



```

2455
2456
2457 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2458
2459 \def\bidi@provide@command#1{%
2460   \if@bidi@undef{#1}
2461     {\def\reserved@a{\bidi@new@command#1}}
2462     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2463   \reserved@a}
2464
2465 \newcommand*{\bidi@csuse}[1]{%
2466   \ifcsname#1\endcsname
2467     \csname#1\expandafter\endcsname
2468   \fi}
2469
2470 \newcommand{\bidi@expandonce}[1]{%
2471   \unexpanded\expandafter{#1}}
2472
2473 \def\bidi@protected{%
2474   \let\@@protect\protect
2475   \let\protect\@unexpandable@protect
2476   \afterassignment\restore@protect}
2477
2478 \bidi@newrobustcmd{\bidi@appto}[2]{%
2479   \if@bidi@undef{#1}
2480     {\edef#1{\unexpanded{#2}}}
2481     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2482 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2483   \if@bidi@undef{#1}
2484     {\edef#1{#2}}
2485     {\edef#1{\bidi@expandonce#1#2}}}
2486 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2487   \if@bidi@undef{#1}
2488     {\xdef#1{\unexpanded{#2}}}
2489     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2490 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2491   \if@bidi@undef{#1}
2492     {\xdef#1{#2}}
2493     {\xdef#1{\bidi@expandonce#1#2}}}
2494
2495 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2496 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2497
2498
2499
2500 \bidi@newrobustcmd{\bidi@preto}[2]{%
2501   \if@bidi@undef{#1}
2502     {\edef#1{\unexpanded{#2}}}
2503     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}
2504 \bidi@newrobustcmd{\bidi@epreto}[2]{%

```



```

2505 \if@bidi@undef{#1}
2506   {\edef#1{#2}}
2507   {\edef#1{#2\bid@expandonce#1}}
2508 \bid@newrobustcmd{\bid@gpreto}[2]{%
2509   \if@bidi@undef{#1}
2510     {\xdef#1{\unexpanded{#2}}}
2511     {\xdef#1{\unexpanded{#2}\bid@expandonce#1}}
2512 \bid@newrobustcmd{\bid@xpreto}[2]{%
2513   \if@bidi@undef{#1}
2514     {\xdef#1{#2}}
2515     {\xdef#1{#2\bid@expandonce#1}}
2516
2517 \bid@newrobustcmd*{\bid@protected@epreto}{\bid@protected\bid@epreto}
2518 \bid@newrobustcmd*{\bid@protected@xpreto}{\bid@protected\bid@xpreto}
2519
2520
2521
2522 \bid@newrobustcmd*{\bid@csappto}[1]{\expandafter\bid@appto\csname#1\endcsname}
2523 \bid@newrobustcmd*{\bid@cseappto}[1]{\expandafter\bid@eappto\csname#1\endcsname}
2524 \bid@newrobustcmd*{\bid@csgappto}[1]{\expandafter\bid@gappto\csname#1\endcsname}
2525 \bid@newrobustcmd*{\bid@csxappto}[1]{\expandafter\bid@xappto\csname#1\endcsname}
2526 \bid@newrobustcmd*{\bid@protected@cseappto}{\bid@protected\bid@cseappto}
2527 \bid@newrobustcmd*{\bid@protected@csxappto}{\bid@protected\bid@csxappto}
2528
2529
2530
2531 \bid@newrobustcmd*{\bid@cspreto}[1]{\expandafter\bid@preto\csname#1\endcsname}
2532 \bid@newrobustcmd*{\bid@csepreto}[1]{\expandafter\bid@epreto\csname#1\endcsname}
2533 \bid@newrobustcmd*{\bid@csgpreto}[1]{\expandafter\bid@gpreto\csname#1\endcsname}
2534 \bid@newrobustcmd*{\bid@csxpreto}[1]{\expandafter\bid@xpreto\csname#1\endcsname}
2535 \bid@newrobustcmd*{\bid@protected@csepreto}{\bid@protected\bid@csepreto}
2536 \bid@newrobustcmd*{\bid@protected@csxpreto}{\bid@protected\bid@csxpreto}
2537
2538
2539
2540 \bid@newrobustcmd{\if@bidi@patchable}{%
2541   \bid@dbg@trce\if@bidi@patchable
2542   \begingroup
2543   \@makeother\#%
2544   \@ifstar\bid@ifpatchablei\bid@ifpatchable}
2545
2546 \long\def\bid@ifpatchable#1#2{%
2547   \endgroup
2548   \bid@dbg@init#1%
2549   \if@bidi@undef{#1}
2550     {\bid@dbg@fail{def}}\@secondoftwo}
2551     {\bid@dbg@info{def}}%
2552     \if@bidi@defmacro{#1}
2553       {\bid@dbg@info{mac}}%
2554       \bid@ifscanable{#1}

```





```

2555         {\bidi@ifhashcheck{#2}
2556         {\bidi@dbg@info{tok}%
2557         \bidi@ifpattern#1{#2}
2558         {\bidi@dbg@info{pat}%
2559         \bidi@dbg@info{pos}\@firstoftwo}
2560         {\bidi@dbg@fail{pat}\@secondoftwo}}
2561         {\bidi@dbg@fail{hsh}\@secondoftwo}}
2562         {\bidi@dbg@fail{tok}\@secondoftwo}}
2563         {\bidi@dbg@fail{mac}\@secondoftwo}}}}
2564
2565 \long\def\bidi@ifpatchable@i#1{%
2566 \endgroup
2567 \bidi@dbg@init#1%
2568 \if@bidi@undef{#1}
2569 {\bidi@dbg@fail{def}\@secondoftwo}
2570 {\bidi@dbg@info{def}%
2571 \if@bidi@defmacro{#1}
2572 {\bidi@dbg@info{mac}%
2573 \if@bidi@defparam{#1}
2574 {\bidi@dbg@info{prm}%
2575 \bidi@ifscanable{#1}
2576 {\bidi@dbg@info{tok}%
2577 \bidi@dbg@info{pos}\@firstoftwo}
2578 {\bidi@dbg@fail{tok}\@secondoftwo}}
2579 {\bidi@dbg@info{prl}%
2580 \if@bidi@defprotected{#1}
2581 {\bidi@dbg@info{pro}}
2582 {}%
2583 \bidi@dbg@info{pos}\@firstoftwo}}
2584 {\bidi@dbg@fail{mac}\@secondoftwo}}}}
2585
2586 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2587 \bidi@dbg@trce\bidi@patchcmd
2588 \begingroup
2589 \@makeother\#%
2590 \bidi@patchcmd}
2591
2592 \newcommand{\bidi@patchcmd}[4][#####1]{%
2593 \bidi@ifpatchable#2{#3}
2594 {\bidi@dbg@succ{ret}%
2595 \begingroup
2596 \edef\bidi@resrvda{%
2597 \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3{%
2598 #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}%
2599 \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2600 ####1\detokenize{#4}####2}%
2601 \edef\noexpand\bidi@resrvda{%
2602 \noexpand\bidi@resrvda\meaning#2&}}%
2603 \bidi@resrvda
2604 \bidi@patchcmd@scantoks\bidi@resrvda

```



```

2605 \let#2\bidi@resrvda
2606 \bidi@undef\bidi@resrvda
2607 \@firstoftwo}
2608 {\@secondoftwo}}
2609
2610 \def\bidi@patchcmd@scantoks#1{%
2611 \edef\bidi@resrvda{\endgroup
2612 \unexpanded{\makeatletter\scantokens}{#1}%
2613 \catcode\number`\@=\the\catcode`\@relax}%
2614 \bidi@resrvda}
2615
2616 \newcommand\bidi@isloaded[2][]{
2617 \expandafter\ifx\csname if@bidi@#2loaded@endcsname\relax
2618 \expandafter\newif\csname if@bidi@#2loaded@endcsname
2619 \fi
2620 \@ifpackageloaded{#2}
2621 {\csname @bidi@#2loaded@true\endcsname #1}
2622 {\csname @bidi@#2loaded@false\endcsname}}
2623
2624 \protected\def\bidi@ifscanable#1{%
2625 \begingroup
2626 \edef\bidi@resrvda{%
2627 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2628 ####1\def\string\bidi@resrvda####2{####3}}}%
2629 \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
2630 \bidi@resrvda
2631 \makeatletter
2632 \scantokens\expandafter{\bidi@resrvda}%
2633 \expandafter\endgroup\ifx#1\bidi@resrvda
2634 \expandafter\@firstoftwo
2635 \else
2636 \expandafter\@secondoftwo
2637 \fi}
2638
2639
2640 \protected\long\def\bidi@ifhashcheck#1{%
2641 \begingroup
2642 \edef\bidi@resrvda{\detokenize{#1}}%
2643 \expandafter\endgroup
2644 \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
2645
2646 \edef\bidi@ifhashcheck@i#1&{%
2647 \noexpand\expandafter
2648 \noexpand\bidi@ifhashcheck@ii
2649 \noexpand\strip@prefix#1\string#\string#&}
2650
2651 \edef\bidi@ifhashcheck@ii{%
2652 \def\noexpand\bidi@ifhashcheck@ii##1\string#\string###2&
2653 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
2654

```



```

2655
2656 \protected\long\def\bid@ifpattern#1#2{%
2657   \begingroup
2658   \edef\bid@resrvda{%
2659     \def\noexpand\bid@resrvda####1\detokenize{#2}####2&{%
2660       \endgroup\noexpand\noexpand\noexpand\if@bid@blank{####2}}}%
2661   \edef\noexpand\bid@resrvda{\noexpand\bid@resrvda
2662     \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
2663   \noexpand\bid@resrvda}
2664   \bid@resrvda\@secondoftwo\@firstoftwo}
2665
2666
2667 \newcommand{\if@bid@defparam}{-}
2668 \long\edef\if@bid@defparam#1{%
2669   \noexpand\expandafter\noexpand\bid@ifdefparam
2670   \noexpand\meaning#1\detokenize{macro}:->&}
2671 \edef\bid@ifdefparam{%
2672   \def\noexpand\bid@ifdefparam##1\detokenize{macro}:##2->##3&}
2673 \bid@ifdefparam{\bid@notblank{#2}}
2674
2675
2676 \newcommand{\if@bid@defprotected}{-}
2677 \long\edef\if@bid@defprotected#1{%
2678   \noexpand\expandafter\noexpand\bid@ifdefprotected
2679   \noexpand\meaning#1\string\protected&}
2680 \edef\bid@ifdefprotected{%
2681   \def\noexpand\bid@ifdefprotected##1\string\protected##2&}
2682 \bid@ifdefprotected{\bid@notblank{#2}}
2683
2684
2685 \bid@newrobustcmd{\bid@undef}[1]{\let#1\bid@undefined}
2686
2687 \let\bid@dbg@trce\@gobble
2688 \let\bid@dbg@init\@gobble
2689 \let\bid@dbg@info\@gobble
2690 \let\bid@dbg@succ\@gobble
2691 \let\bid@dbg@fail\@gobble
2692
2693
2694
2695 \bid@newrobustcmd*{\bid@apptocmd}{%
2696   \bid@dbg@trce\bid@apptocmd
2697   \begingroup
2698   \@makeother\%,
2699   \bid@hooktocmd\bid@append}
2700
2701
2702
2703 \bid@newrobustcmd*{\bid@pretocmd}{%
2704   \bid@dbg@trce\bid@pretocmd

```



```

2705 \begingroup
2706 \@makeother\#%
2707 \bidi@hooktocmd\bidi@prepend}
2708
2709 \long\def\bidi@hooktocmd#1#2#3{%
2710 \endgroup
2711 \bidi@dbg@init#2%
2712 \if@bidi@undef{#2}
2713   {\bidi@dbg@fail{def}\@secondoftwo}
2714   {\bidi@dbg@info{def}%
2715     \if@bidi@defmacro{#2}
2716       {\bidi@dbg@info{mac}%
2717         \if@bidi@defparam{#2}
2718           {\bidi@dbg@info{prm}%
2719             \bidi@ifscanable{#2}
2720               {\bidi@ifhashcheck{#3}
2721                 {\bidi@dbg@info{tok}%
2722                   \bidi@dbg@succ{ret}%
2723                   \bidi@hooktocmd#i#1#2{#3}%
2724                   \@firstoftwo}
2725                 {\bidi@dbg@fail{hsh}\@secondoftwo}}
2726               {\bidi@dbg@fail{tok}\@secondoftwo}}
2727             {\bidi@dbg@info{prl}%
2728               \if@bidi@defprotected{#2}
2729                 {\bidi@dbg@info{pro}%
2730                   \bidi@dbg@succ{red}%
2731                   \protected}
2732                 {\bidi@dbg@succ{red}}}%
2733             \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
2734             \@firstoftwo}}
2735           {\bidi@dbg@fail{mac}\@secondoftwo}}}}
2736
2737 \long\def\bidi@hooktocmd#i#1#2#3{%
2738 \begingroup
2739 \edef\bidi@resrvda{%
2740   \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2741     ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
2742   \edef\noexpand\bidi@resrvda{%
2743     \noexpand\bidi@resrvda\meaning#2&}}}%
2744 \bidi@resrvda
2745 \bidi@patchcmd@scantoks\bidi@resrvda
2746 \let#2\bidi@resrvda
2747 \bidi@undef\bidi@resrvda}
2748
2749 \long\def\bidi@append#1#2{#1#2}
2750 \long\def\bidi@prepend#1#2{#2#1}
2751
2752 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
2753 \newcommand*{\bidi@endpreamblehook}{}
2754

```



```

2755 \bidi@preto\document{%
2756   \endgroup
2757   \let\bidi@AtEndPreamble\@firstofone
2758   \bidi@endpreamblehook
2759   \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
2760   \bidi@undef\bidi@endpreamblehook
2761   \begingroup}
2762
2763 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
2764 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
2765
2766 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
2767 \newcommand*{\bidi@afterendpreamblehook}{\}
2768
2769 \bidi@appto\document{%
2770   \let\bidi@AfterEndPreamble\@firstofone
2771   \bidi@afterendpreamblehook
2772   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
2773   \bidi@undef\bidi@afterendpreamblehook
2774   \ignorespaces}
2775
2776 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
2777
2778 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterendddocumenthook}
2779 \newcommand*{\bidi@afterendddocumenthook}{\}
2780
2781 \bidi@patchcmd\enddocument
2782   {\deadcycles}
2783   {\let\bidi@AfterEndDocument\@firstofone
2784     \bidi@afterendddocumenthook
2785     \deadcycles}
2786   {}
2787   {\let\bidi@@end\@@end
2788     \def\@@end{%
2789       \let\bidi@AfterEndDocument\@firstofone
2790       \bidi@afterendddocumenthook
2791       \bidi@@end}}
2792
2793 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
2794   \bidi@csgappto{\@begin@#1@hook}}
2795
2796 \bidi@patchcmd\begin
2797   {\csname #1\endcsname}
2798   {\bidi@csuse{\@begin@#1@hook}%
2799     \csname #1\endcsname}
2800   {}
2801   {\bidi@warning{%
2802     Patching '\string\begin' failed!\MessageBreak
2803     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
2804

```



```

2805
2806
2807 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
2808   \bidi@csgappto{@end@#1@hook}}
2809
2810 \bidi@patchcmd\end
2811   {\csname end#1\endcsname}
2812   {\bidi@csuse{@end@#1@hook}%
2813    \csname end#1\endcsname}
2814   {}
2815   {\bidi@warning{%
2816     Patching '\string\end' failed!\MessageBreak
2817     '\string\bidi@AtEndEnvironment' will not work@gobble}}
2818
2819
2820
2821 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
2822   \bidi@csgappto{@beforebegin@#1@hook}}
2823
2824 \bidi@pretocmd\begin
2825   {\bidi@csuse{@beforebegin@#1@hook}}
2826   {}
2827   {\bidi@warning{%
2828     Patching '\string\begin' failed!\MessageBreak
2829     '\string\bidi@BeforeBeginEnvironment' will not work@gobble}}
2830
2831
2832
2833 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
2834   \bidi@csgappto{@afterend@#1@hook}}
2835
2836 \bidi@patchcmd\end
2837   {\if@ignore}
2838   {\bidi@csuse{@afterend@#1@hook}%
2839    \if@ignore}
2840   {}
2841   {\bidi@warning{%
2842     Patching '\string\end' failed!\MessageBreak
2843     '\string\bidi@AfterEndEnvironment' will not work@gobble}}

```

## 7.20 bidiutfefloat.sty

```

2844 \NeedsTeXFormat{LaTeX2e}
2845 \ProvidesPackage{bidiutfefloat}[2011/06/14 v0.1
2846 bidi implementation of tufte float]
2847 \RequirePackage{xifthen}
2848 \newcommand{\@bidiutfefloat@pkgname}{bidiutfefloat}
2849 \newcommand{\bidiutfefloatError}[2]{\PackageError{\@bidiutfefloat@pkgname}{#1}{#2}}
2850 \newcommand{\bidiutfefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\@bidiutfefloat@debug}}{\bidi
2851 \newcommand{\bidiutfefloatInfoNL}[1]{\PackageInfo{\@bidiutfefloat@pkgname}{#1@gobble}}

```



```

2852 \newboolean{@biditytfloat@RTLgeometry}
2853 \setboolean{@biditytfloat@RTLgeometry}{true}
2854 \DeclareOption{RTLgeometry}{\setboolean{@biditytfloat@RTLgeometry}{true}}
2855 \DeclareOption{LTRgeometry}{\setboolean{@biditytfloat@RTLgeometry}{false}}
2856 \newboolean{@biditytfloat@a4paper}
2857 \DeclareOption{a4paper}{\setboolean{@biditytfloat@a4paper}{true}}
2858 \newboolean{@biditytfloat@b5paper}
2859 \DeclareOption{b5paper}{\setboolean{@biditytfloat@b5paper}{true}}
2860 \newboolean{@biditytfloat@symmetric}
2861 \newboolean{@biditytfloat@twoside}
2862 \DeclareOption{twoside}{%
2863 \@twosidefalse \mparswitchtrue%
2864 \setboolean{@biditytfloat@twoside}{true}%
2865 \setboolean{@biditytfloat@symmetric}{true}%
2866 }
2867 \DeclareOption{oneside}{%
2868 \@twosidefalse \mparswitchfalse%
2869 \setboolean{@biditytfloat@twoside}{false}%
2870 \setboolean{@biditytfloat@symmetric}{false}%
2871 }
2872 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
2873 \newboolean{@biditytfloat@debug}
2874 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodetect}
2875 \ProcessOptions
2876 %% Globally sets the length
2877 \newcommand*{\gsetlength}[2]{%
2878 \setlength{#1}{#2}%
2879 \global#1=#1\relax%
2880 }
2881 %% Globally sets a boolean
2882 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
2883 \lowercase{\def\@tempa{#2}}%
2884 \@ifundefined{@tempa}{\@tempa}%
2885 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}{\@ehc}%
2886 {\@ifundefined{#1}{\@tempa}%
2887 {\PackageError{ifthen}{Boolean #1 undefined}{\@ehc}%
2888 {\global\csname#1\@tempa\endcsname}%
2889 }%
2890 }
2891 %% Set the font sizes and baselines to match biditytfloat's books
2892 \renewcommand\normalsize{%
2893 \setfontsize\normalsize\@xpt{14}%
2894 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
2895 \abovedisplayshortskip \z@ \@plus3\p@
2896 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
2897 \belowdisplayskip \abovedisplayskip
2898 \let\@listi\@listI}
2899 \normalbaselineskip=14pt
2900 \normalsize
2901 \renewcommand\footnotesize{%

```



```

2902 \@setfontsize\footnotesize\@viipt{10}%
2903 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
2904 \abovedisplayshortskip \z@ \@plus\p@
2905 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
2906 \def\@listi{\leftmargin\leftmargini
2907             \topsep 3\p@ \@plus\p@ \@minus\p@
2908             \parsep 2\p@ \@plus\p@ \@minus\p@
2909             \itemsep \parsep}%
2910 \belowdisplayskip \abovedisplayskip
2911 }
2912 %% Paragraph indentation and separation for marginal text
2913 \newcommand{\@biditytfloat@margin@par}{%
2914   \setlength{\RaggedRightParindent}{0.5pc}%
2915   \setlength{\JustifyingParindent}{0.5pc}%
2916   \setlength{\parindent}{0.5pc}%
2917   \setlength{\parskip}{0pt}%
2918 }
2919 \RequirePackage{ragged2e}
2920 \ifthenelse{\boolean{@biditytfloat@RTLgeometry}}{%
2921   \RequirePackage[letterpaper,right=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpar=
2922   \ifthenelse{\boolean{@biditytfloat@a4paper}}
2923     {\geometry{a4paper,right=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpars
2924     {}
2925   \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
2926     {\geometry{paperwidth=176mm,paperheight=250mm,right=14.66mm,top=13.88mm,textwidth=102.66mm,ma
2927     {}}%
2928   \RequirePackage[letterpaper,left=1in,top=1in,headsep=2\baselineskip,textwidth=26pc,marginpars
2929   \ifthenelse{\boolean{@biditytfloat@a4paper}}
2930     {\geometry{a4paper,left=24.8mm,top=27.4mm,headsep=2\baselineskip,textwidth=107mm,marginpars
2931     {}
2932   \ifthenelse{\boolean{@biditytfloat@bfivepaper}}
2933     {\geometry{paperwidth=176mm,paperheight=250mm,left=14.66mm,top=13.88mm,textwidth=102.66mm,ma
2934     {}%
2935   \ifthenelse{\boolean{@biditytfloat@symmetric}}
2936     {}
2937     {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
2938 \setlength\marginparpush{10pt}
2939 %% Font for margin items
2940 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
2941 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
2942 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
2943 \newcommand{\@biditytfloat@justification}{\justifying}%
2944 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
2945 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
2946 \newboolean{@biditytfloat@change page}
2947 \IfFileExists{change page.sty}{%
2948   \biditytfloatDebugInfoNL{Found change page.sty}
2949   \RequirePackage[strict]{change page}
2950   \setboolean{@biditytfloat@change page}{true}
2951 }{%

```





```

2952 \biditytffloatDebugInfoNL{Found chngpage.sty}
2953 \RequirePackage[strict]{chngpage}
2954 \setboolean{@biditytffloat@changepage}{false}
2955 }
2956 \newboolean{@biditytffloat@odd@page}
2957 \setboolean{@biditytffloat@odd@page}{true}
2958 \newcommand*{\@biditytffloat@checkoddpage}{%
2959 \checkoddpage%
2960 \ifthenelse{\boolean{@biditytffloat@changepage}}{%
2961 \ifoddpage%
2962 \setboolean{@biditytffloat@odd@page}{true}%
2963 \else%
2964 \setboolean{@biditytffloat@odd@page}{false}%
2965 \fi%
2966 }{%
2967 \ifcpoddpage%
2968 \setboolean{@biditytffloat@odd@page}{true}%
2969 \else%
2970 \setboolean{@biditytffloat@odd@page}{false}%
2971 \fi%
2972 }%
2973 }
2974 \newlength{\@biditytffloat@overhang}% used by the fullwidth environment and the running heads
2975 \newlength{\@biditytffloat@fullwidth}
2976 \newlength{\@biditytffloat@caption@fill}
2977 \newcommand{\biditytffloatRecalculate}{%
2978 \setlength{\@biditytffloat@overhang}{\marginparwidth}
2979 \addtolength{\@biditytffloat@overhang}{\marginparsep}
2980
2981 \setlength{\@biditytffloat@fullwidth}{\textwidth}
2982 \addtolength{\@biditytffloat@fullwidth}{\marginparsep}
2983 \addtolength{\@biditytffloat@fullwidth}{\marginparwidth}
2984
2985 \setlength{\@biditytffloat@caption@fill}{\textwidth}
2986 \addtolength{\@biditytffloat@caption@fill}{\marginparsep}
2987 }
2988 \AtBeginDocument{\biditytffloatRecalculate}
2989 \RequirePackage{optparams}% provides multiple optional arguments for commands
2990 \RequirePackage{placeins}
2991 \newsavebox{\@biditytffloat@margin@floatbox}
2992 \newenvironment{@biditytffloat@margin@float}[2][-1.2ex]%
2993 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
2994 \begin{lrbox}{\@biditytffloat@margin@floatbox}%
2995 \begin{minipage}{\marginparwidth}%
2996 \@biditytffloat@caption@font%
2997 \def\@capytype{#2}%
2998 \hbox{\vspace*{#1}%
2999 \@biditytffloat@caption@justification%
3000 \@biditytffloat@margin@par%
3001 \noindent%

```



```

3002 }
3003 {\end{minipage}}%
3004 \end{lrbox}}%
3005 \marginpar{\usebox{\@bidiutfefloat@margin@floatbox}}%
3006 }
3007 \newenvironment{marginfigure}[1][[-1.2ex]%
3008 {\begin{@bidiutfefloat@margin@float}[#1]{figure}}
3009 {\end{@bidiutfefloat@margin@float}}}
3010 \newenvironment{margintable}[1][[-1.2ex]%
3011 {\begin{@bidiutfefloat@margin@float}[#1]{table}}
3012 {\end{@bidiutfefloat@margin@float}}}
3013 \newcommand*{\@bidiutfefloat@justification@autodetect}{\justifying}%
3014
3015 \newcommand{\@bidiutfefloat@float@debug@info}{}% contains debug info generated as the float is
3016 \newcommand{\@bidiutfefloat@float@debug}[1]{% adds debug info to the queue for output
3017 \ifthenelse{\equal{\@bidiutfefloat@float@debug@info}{}}%
3018 {\def\@bidiutfefloat@float@debug@info{#1}}%
3019 {\g@addto@macro\@bidiutfefloat@float@debug@info{\MessageBreak#1}}%
3020 }
3021 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3022 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@bidiutfefloat@float@debug
3023 \newboolean{@bidiutfefloat@float@recto}
3024 \newcommand{\forcerectofloat}{\gsetboolean{@bidiutfefloat@float@recto}{true}\@bidiutfefloat
3025 \newcommand{\forceversofloat}{\gsetboolean{@bidiutfefloat@float@recto}{false}\@bidiutfefloat
3026 \newsavebox{\@bidiutfefloat@figure@box}
3027 \newsavebox{\@bidiutfefloat@caption@box}
3028 \let\@bidiutfefloat@orig@float\@float
3029 \let\@bidiutfefloat@orig@endfloat\end@float
3030 \newlength{\@bidiutfefloat@caption@vertical@offset}
3031 \setlength{\@bidiutfefloat@caption@vertical@offset}{0pt}
3032 \newcommand{\@bidiutfefloat@stored@shortcaption}{}
3033 \newcommand{\@bidiutfefloat@stored@caption}{}
3034 \newcommand{\@bidiutfefloat@stored@label}{}
3035 \long\def\@bidiutfefloat@caption[#1][#2]#3{%
3036 \ifthenelse{\isempty{#1}}%
3037 {\gdef\@bidiutfefloat@stored@shortcaption{#3}}%
3038 {\gdef\@bidiutfefloat@stored@shortcaption{#1}}%
3039 \gsetlength{\@bidiutfefloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3040 \gdef\@bidiutfefloat@stored@caption{#3}%
3041 }
3042 \newcommand{\@bidiutfefloat@label}[1]{%
3043 \gdef\@bidiutfefloat@stored@label{#1}%
3044 }
3045 \newcommand{\@bidiutfefloat@fps}{}
3046 \newboolean{@bidiutfefloat@float@star}
3047 \newlength{\@bidiutfefloat@float@contents@width}
3048 \newenvironment{@bidiutfefloat@float}[3][htbp]%
3049 {% begin @bidiutfefloat@float
3050 % Should this float be full-width or just text-width?
3051 \ifthenelse{\equal{#3}{star}}%

```



```

3052     {\gsetboolean{@biditytffloat@float@star}{true}}%
3053     {\gsetboolean{@biditytffloat@float@star}{false}}%
3054 % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3055     \@biditytffloat@checkoddpag%
3056     \ifthenelse{\boolean{@biditytffloat@odd@page}}%
3057     {\gsetboolean{@biditytffloat@float@recto}{true}\@biditytffloat@float@debug{Detected page
3058     {\gsetboolean{@biditytffloat@float@recto}{false}\@biditytffloat@float@debug{Detected page
3059 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3060     \renewcommand{\@biditytffloat@fpos}{#1}%
3061     \@biditytffloat@float@debug{Allowed positions: [#1]}%
3062     \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
3063     {\renewcommand{\floatalignment}{b}\@biditytffloat@float@debug{Presumed position: [bottom]}%
3064     {\renewcommand{\floatalignment}{t}\@biditytffloat@float@debug{Presumed position: [top]}}%
3065 % Capture the contents of the \caption and \label commands to use later
3066     \global\let\@biditytffloat@orig@caption\caption%
3067     \global\let\@biditytffloat@orig@label\label%
3068 \renewcommand{\caption}{\optparams{\@biditytffloat@caption}{[0pt]}}%
3069 \renewcommand{\label}[1]{\@biditytffloat@label{##1}}%
3070 % Handle subfigure package compatibility
3071 \ifthenelse{\boolean{@biditytffloat@packages@subfigure}}{%
3072 % don't move the label while inside a \subfigure or \subtable command
3073     \global\let\label\@biditytffloat@orig@label%
3074 }{% subfigure package is not loaded
3075     \@biditytffloat@orig@float{#2}[#1}%
3076 \ifthenelse{\boolean{@biditytffloat@float@star}}%
3077 {\setlength{\@biditytffloat@float@contents@width}{\@biditytffloat@fullwidth}}%
3078 {\setlength{\@biditytffloat@float@contents@width}{\textwidth}}%
3079 \begin{lrbox}{\@biditytffloat@figure@box}%
3080 \begin{minipage}{\floatalignment}{\@biditytffloat@float@contents@width}\hbox{}%
3081 }{% end @biditytffloat@float
3082 \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{% align
3083 \end{minipage}%
3084 \end{lrbox}%
3085 % build the caption box
3086 \begin{lrbox}{\@biditytffloat@caption@box}%
3087 \begin{minipage}{\floatalignment}{\marginparwidth}\hbox{}%
3088 \ifthenelse{\NOT\equal{\@biditytffloat@stored@caption}{}}{\@biditytffloat@orig@caption
3089 \ifthenelse{\NOT\equal{\@biditytffloat@stored@label}{}}{\@biditytffloat@orig@label{\@b
3090 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
3091 \end{minipage}%
3092 \end{lrbox}%
3093 % now typeset the stored boxes
3094 \begin{fullwidth}%
3095 \begin{minipage}{\floatalignment}{\linewidth}%
3096 \ifthenelse{\boolean{@biditytffloat@float@star}}%
3097 {\@biditytffloat@float@fullwidth[\@biditytffloat@caption@vertical@offset]{\@biditytff
3098 {\@biditytffloat@float@textwidth[\@biditytffloat@caption@vertical@offset]{\@biditytff
3099 \end{minipage}%
3100 \end{fullwidth}%
3101 \@biditytffloat@orig@endfloat% end original LaTeX float environment

```



```

3102 % output debug info
3103 \ifthenelse{\boolean{@bidituftefloat@debug}}{%
3104 \typeout{^^J^^J----- bidingtefloat package float information -----}%
3105 \ifthenelse{\equal{\@bidituftefloat@stored@label}{}}%
3106 {\typeout{Warning: Float unlabeled!}}%
3107 {\typeout{Float label: [\@bidituftefloat@stored@label]}}%
3108 \typeout{Page number: [\thepage]}%
3109 \def\MessageBreak{^^J}%
3110 \typeout{\@bidituftefloat@float@debug@info}%
3111 \ifthenelse{\boolean{@bidituftefloat@symmetric}}%
3112 {\typeout{Symmetric: [true]}}%
3113 {\typeout{Symmetric: [false]}}%
3114 \typeout{-----^^J^^J}%
3115 }{}%
3116 % reset commands and temp boxes and captions
3117 \gdef\@bidituftefloat@float@debug@info{}%
3118 \let\caption\@bidituftefloat@orig@caption%
3119 \let\label\@bidituftefloat@orig@label%
3120 \begin{lrbox}{\@bidituftefloat@figure@box}\hbox{}\end{lrbox}%
3121 \begin{lrbox}{\@bidituftefloat@caption@box}\hbox{}\end{lrbox}%
3122 \gdef\@bidituftefloat@stored@shortcaption{}%
3123 \gdef\@bidituftefloat@stored@caption{}%
3124 \gdef\@bidituftefloat@stored@label{}%
3125 \gsetlength{\@bidituftefloat@caption@vertical@offset}{0pt}% reset caption offset
3126 }
3127 \newcommand{\@bidituftefloat@float@textwidth}[3][0pt]{%
3128 \ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}\OR\boolean{@bidituftefloat@float@recto}}%
3129 % asymmetric or page is odd, so caption is on the right
3130 \hbox{%
3131 \usebox{#2}%
3132 \hspace{\marginparsep}%
3133 \smash{\raisebox{#1}{\usebox{#3}}}%
3134 }
3135 \@bidituftefloat@float@debug{Caption position: [right]}%
3136 }{% symmetric pages and page is even, so caption is on the left
3137 \hbox{%
3138 \smash{\raisebox{#1}{\usebox{#3}}}%
3139 \hspace{\marginparsep}%
3140 \usebox{#2}%
3141 }
3142 \@bidituftefloat@float@debug{Caption position: [left]}%
3143 }%
3144 }
3145 \newcommand{\@bidituftefloat@float@fullwidth}[3][0pt]{%
3146 \ifthenelse{\equal{\floatalignment}{b}}%
3147 {% place caption above figure
3148 \ifthenelse{\NOT\boolean{@bidituftefloat@symmetric}}\OR\boolean{@bidituftefloat@float@recto}}%
3149 {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@bidituftefloat@float@debug{Caption position: [above]}}%
3150 {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@bidituftefloat@float@debug{Caption position: [below]}}%
3151 }{% place caption below figure

```



```

3152 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}\OR\boolean{@biditytfloat@float@rect}
3153 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{Cap
3154 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{Cap
3155 }%
3156 }
3157 \renewenvironment{figure}[1][htbp]%
3158 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
3159 {\end{@biditytfloat@float}}
3160 \renewenvironment{table}[1][htbp]
3161 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
3162 {\end{@biditytfloat@float}}
3163 \renewenvironment{figure*}[1][htbp]%
3164 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
3165 {\end{@biditytfloat@float}}
3166 \renewenvironment{table*}[1][htbp]%
3167 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
3168 {\end{@biditytfloat@float}}
3169 \newenvironment{fullwidth}
3170 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
3171 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{-}\@biditytfloat@
3172 {\begin{adjustwidth}{-}\@biditytfloat@overhang}}%
3173 }%
3174 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
3175 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth}}}%
3176 {\end{adjustwidth}}}%
3177 }
3178 \long\def\@caption#1[#2]#3{%
3179 \par%
3180 \addcontentsline{\csname ext@#1\endcsname}{#1}%
3181 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
3182 \begingroup%
3183 \@parboxrestore%
3184 \if@minipage%
3185 \@setminipage%
3186 \fi%
3187 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
3188 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
3189 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
3190 \endgroup}
3191 %%
3192 % Turns newlines into spaces. Based on code from the 'titlesec' package.
3193 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
3194 \@ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
3195 }
3196 \def\@biditytfloat@newlinetospace@i{%
3197 \ifdim\lastskip>z@\else\space\fi
3198 \ignorespaces%
3199 }
3200 \DeclareRobustCommand{\newlinetospace}[1]{%
3201 \let\@biditytfloat@orig@cr\% save the original meaning of \

```



```

3202 \def\\{\@bidityfteheading@newlinetospace}% turn \\ and \\* into \space
3203 \let\newline\\% turn \newline into \space
3204 #1%
3205 \let\\\\@bidityfteheading@orig@cr% revert to original meaning of \\
3206 }
3207 \RequirePackage{fancyhdr}
3208 \pagestyle{fancy}
3209 \AtBeginDocument{%
3210 \ifthenelse{\boolean{@bidityftefloat@symmetric}}
3211   {\fancyhfoffset[LE,RO]{\@bidityftefloat@overhang}}
3212   {\fancyhfoffset[RE,RO]{\@bidityftefloat@overhang}}
3213 }
3214 % The running heads/feet don't have rules
3215 \renewcommand{\headrulewidth}{0pt}
3216 \renewcommand{\footrulewidth}{0pt}
3217 % The 'fancy' page style is the default style for all pages.
3218 \fancyhf{} % clear header and footer fields
3219 \ifthenelse{\boolean{@bidityftefloat@symmetric}}
3220   {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
3221    \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3222   {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3223 % The 'plain' page style is used on chapter opening pages.
3224 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
3225 % bottom of pages -- the folios are unexpressed.
3226 \fancypagestyle{plain}{
3227   \fancyhf{} % clear header and footer fields
3228   % Uncomment the following five lines of code if you want the opening page
3229   % of the chapter to express the folio in the lower outside corner.
3230   % \ifthenelse{\boolean{@bidityftefloat@symmetric}}
3231   %   {\fancyfoot[LE,RO]{\thepage}}
3232   %   {\fancyfoot[RE,RO]{\thepage}}
3233 }
3234 % The 'empty' page style suppresses all headers and footers.
3235 % It's used on title pages and 'intentionally blank' pages.
3236 \fancypagestyle{empty}{
3237   \fancyhf{} % clear header and footer fields
3238 }
3239 \def\morefloats{% provides a total of 52 floats
3240 \ifthenelse{\isundefined{\bx@S}}{%
3241   \bidityftefloatDebugInfoNL{Adding 34 more float slots.}
3242   \newinsert\bx@S
3243   \newinsert\bx@T
3244   \newinsert\bx@U
3245   \newinsert\bx@V
3246   \newinsert\bx@W
3247   \newinsert\bx@X
3248   \newinsert\bx@Y
3249   \newinsert\bx@Z
3250   \newinsert\bx@a
3251   \newinsert\bx@b

```



```

3252 \newinsert\bx@c
3253 \newinsert\bx@d
3254 \newinsert\bx@e
3255 \newinsert\bx@f
3256 \newinsert\bx@g
3257 \newinsert\bx@h
3258 \newinsert\bx@i
3259 \newinsert\bx@j
3260 \newinsert\bx@k
3261 \newinsert\bx@l
3262 \newinsert\bx@m
3263 \newinsert\bx@n
3264 \newinsert\bx@o
3265 \newinsert\bx@p
3266 \newinsert\bx@q
3267 \newinsert\bx@r
3268 \newinsert\bx@s
3269 \newinsert\bx@t
3270 \newinsert\bx@u
3271 \newinsert\bx@v
3272 \newinsert\bx@w
3273 \newinsert\bx@x
3274 \newinsert\bx@y
3275 \newinsert\bx@z
3276 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
3277 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
3278 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
3279 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
3280 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
3281 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
3282 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3283 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3284 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
3285 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3286 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3287 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z}%
3288 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
3289 \ifthenelse{\isundefined{\bx@AA}}{%
3290 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
3291 \newinsert\bx@AA
3292 \newinsert\bx@BB
3293 \newinsert\bx@CC
3294 \newinsert\bx@DD
3295 \newinsert\bx@EE
3296 \newinsert\bx@FF
3297 \newinsert\bx@GG
3298 \newinsert\bx@HH
3299 \newinsert\bx@II
3300 \newinsert\bx@JJ
3301 \newinsert\bx@KK

```



```

3302 \newinsert\bx@LL
3303 \newinsert\bx@MM
3304 \newinsert\bx@NN
3305 \newinsert\bx@OO
3306 \newinsert\bx@PP
3307 \newinsert\bx@QQ
3308 \newinsert\bx@RR
3309 \newinsert\bx@SS
3310 \newinsert\bx@TT
3311 \newinsert\bx@UU
3312 \newinsert\bx@VV
3313 \newinsert\bx@WW
3314 \newinsert\bx@XX
3315 \newinsert\bx@YY
3316 \newinsert\bx@ZZ
3317 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
3318 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
3319 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
3320 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
3321 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
3322 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
3323 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3324 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3325 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
3326 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3327 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3328 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
3329 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
3330 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
3331 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
3332 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
3333 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
3334 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
3335 }{%
3336 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageBreak
3337 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\MessageBreak
3338 }%
3339 }%
3340 }
3341 \newboolean{@biditytfloat@packages@subfigure}
3342 \setboolean{@biditytfloat@packages@subfigure}{false}
3343 \AtBeginDocument{%
3344 \ifpackageloaded{subfigure}
3345 {\gsetboolean{@biditytfloat@packages@subfigure}{true}}
3346 {\gsetboolean{@biditytfloat@packages@subfigure}{false}}}%
3347 }
3348 \AtBeginDocument{%
3349 \ifpackageloaded{float}{%
3350 % Save the redefined float environment (instead of the LaTeX float environment)
3351 \let\@biditytfloat@orig@float\@float

```





```

3352 \let\@biditytfloat@orig@endfloat\endfloat
3353
3354 % Define Tuftian float styles (with the caption in the margin)
3355 \newcommand{\floatc@biditytfloatplain}[2]{%
3356   \begin{lrbox}{\@biditytfloat@caption@box}%
3357   \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%
3358     \@biditytfloat@caption@font{\@fs@cfont #1:} #2\par%
3359   }\end{minipage}%
3360   \end{lrbox}%
3361   \smash{\hspace{\@biditytfloat@caption@fill}}\usebox{\@biditytfloat@caption@box}}%
3362 }
3363 \newcommand{\fs@biditytfloatplain}{%
3364   \def\@fs@cfont{\@biditytfloat@caption@font}%
3365   \let\@fs@capt\floatc@biditytfloatplain%
3366   \def\@fs@pre{%
3367     \def\@fs@post{%
3368       \def\@fs@mid{%
3369         \let\@fs@iftopcapt\iftrue%
3370       }
3371       \let\fs@biditytfloatplain=\fs@biditytfloatplain
3372       \let\floatc@biditytfloatplain=\floatc@biditytfloatplain
3373       \newcommand\floatc@biditytfloatruled[2]{%
3374         {\@fs@cfont #1} #2\par%
3375       }
3376       \newcommand\fs@biditytfloatruled{%
3377         \def\@fs@cfont{\@biditytfloat@caption@font}%
3378         \let\@fs@capt\floatc@biditytfloatplain%
3379         \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
3380         \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
3381         \def\@fs@mid{%
3382           \let\@fs@iftopcapt\iftrue%
3383         }
3384         \newcommand\fs@biditytfloatboxed{%
3385           \def\@fs@cfont{%
3386             \let\@fs@capt\floatc@biditytfloatplain%
3387             \def\@fs@pre{%
3388               \setbox\@currbox\vbox{\hbadness10000
3389                 \moveleft3.4pt\vbox{\advance\hsize by6.8pt
3390                   \hrule \hbox to\hsize{\vrule\kern3pt
3391                     \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
3392             }%
3393             \def\@fs@mid{\kern2pt}%
3394             \def\@fs@post{%
3395               \let\@fs@iftopcapt\iftrue%
3396             }
3397           }%
3398           % Nothing to do
3399         }
3400       }
3401 \AtBeginDocument{%

```



```

3402 \@ifpackageloaded{algorithm}{%
3403   % Set the float style to the TufTian version
3404   \ifthenelse{equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{list}}{}{
3405     \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to b
3406     \floatstyle{bidituftefloat\ALG@floatstyle}%
3407     \restylefloat{algorithm}%
3408   }{}%
3409 }{%
3410   % Nothing to do
3411 }
3412 }
3413 \PassOptionsToPackage{caption=false}{subfig}

```

```

3414 \NeedsTeXFormat{LaTeX2e}
3415 \ProvidesPackage{bidityftesidenote}[2011/06/17 v0.1
3416 bidi implementation of tufte sidenote]
3417 \RequirePackage{xifthen}
3418 \RequirePackage{ragged2e}
3419 \RequirePackage{setspace}
3420 \RequirePackage{hopatch}
3421 \def\bidityftesidenotemarginpar{%
3422   \ifhmode
3423     \@bsphack
3424     \@floatpenalty -\@Mii
3425   \else
3426     \@floatpenalty -\@Miii
3427   \fi
3428   \ifinner
3429     \@parmoderr
3430     \@floatpenalty \z@
3431   \else
3432     \@next\@currbox\@freelist{}\{}%
3433     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
3434     {\@floatpenalty\z@
3435      \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
3436   \fi
3437   \ifnextchar [\@bidityftesidenotexmpar\@bidityftesidenoteympar}
3438 \long\def\@bidityftesidenotexmpar[#1]#2{%
3439   \@bidityftesidenotesavemarbox\@marbox{#1}%
3440   \@bidityftesidenotesavemarbox\@currbox{#2}%
3441   \@xympar}
3442 \long\def\@bidityftesidenoteympar#1{%
3443   \@bidityftesidenotesavemarbox\@marbox{#1}%
3444   \global\setbox\@currbox\copy\@marbox
3445   \@xympar}
3446 \long\def \@bidityftesidenotesavemarbox #1#2{%
3447   \global\setbox #1%
3448   \color@vbox

```



```

3449     \vtop{%
3450         \hsize\marginparwidth
3451         \@parboxrestore
3452         \@bidityftesidenotemarginparreset
3453         #2%
3454         \@minipagefalse
3455         \outer@nobreak
3456     }%
3457     \color@endbox
3458 }
3459 \def \@bidityftesidenotemarginparreset {%
3460     \reset@font
3461     \normalsize
3462     \@minipagetrue
3463     \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
3464 }
3465 \def \LTRbidityftesidenotemarginpar{%
3466     \ifhmode
3467         \@bsphack
3468         \@floatpenalty -\@Mii
3469     \else
3470         \@floatpenalty-\@Miii
3471     \fi
3472     \ifinner
3473         \@parmoderr
3474         \@floatpenalty\z@
3475     \else
3476         \@next\@currbox\@freelist{}\}%
3477         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
3478         {\@floatpenalty\z@
3479         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
3480     \fi
3481     \@ifnextchar [\@LTRbidityftesidenotexmpar\@LTRbidityftesidenoteympar}
3482 \long\def\@LTRbidityftesidenotexmpar[#1]#2{%
3483     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
3484     \@LTRbidityftesidenotesavemarbox\@currbox{#2}%
3485     \@xympar}
3486 \long\def\@LTRbidityftesidenoteympar#1{%
3487     \@LTRbidityftesidenotesavemarbox\@marbox{#1}%
3488     \global\setbox\@currbox\copy\@marbox
3489     \@xympar}
3490 \long\def \@LTRbidityftesidenotesavemarbox #1#2{%
3491     \global\setbox #1%
3492     \color@vbox
3493     \vtop{%
3494         \hsize\marginparwidth
3495         \@parboxrestore
3496         \@LTRbidityftesidenotemarginparreset
3497         #2%
3498         \@minipagefalse

```



```

3499         \outer@nobreak
3500     }%
3501     \color@endbox
3502 }
3503 \def \@LTRbiditytesidenotemarginparreset {%
3504     \reset@font
3505     \normalsize
3506     \@minipagetrue
3507     \everypar{\@minipagefalse\everypar{}\beginL}%
3508 }
3509 \def\RTLbiditytesidenotemarginpar{%
3510     \ifhmode
3511         \@bsphack
3512         \@floatpenalty -\@Mii
3513     \else
3514         \@floatpenalty-\@Miii
3515     \fi
3516     \ifinner
3517         \@parmoderr
3518         \@floatpenalty\z@
3519     \else
3520         \@next\@currbox\@freelist{}\}%
3521         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
3522         {\@floatpenalty\z@
3523         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
3524     \fi
3525     \@ifnextchar [\@RTLbiditytesidenotexmpar\@RTLbiditytesidenoteympar}
3526 \long\def\@RTLbiditytesidenotexmpar[#1]#2{%
3527     \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
3528     \@RTLbiditytesidenotesavemarbox\@currbox{#2}%
3529     \@xympar}
3530 \long\def\@RTLbiditytesidenoteympar#1{%
3531     \@RTLbiditytesidenotesavemarbox\@marbox{#1}%
3532     \global\setbox\@currbox\copy\@marbox
3533     \@xympar}
3534 \long\def \@RTLbiditytesidenotesavemarbox #1#2{%
3535     \global\setbox #1%
3536         \color@vbox
3537         \vtop{%
3538             \hsize\marginparwidth
3539             \@parboxrestore
3540             \@RTLbiditytesidenotemarginparreset
3541             #2%
3542             \@minipagefalse
3543             \outer@nobreak
3544             }%
3545     \color@endbox
3546 }
3547 \def \@RTLbiditytesidenotemarginparreset {%
3548     \reset@font

```



```

3549         \normalsize
3550         \@minipagetrue
3551         \everypar{\@minipagefalse\everypar{}\beginR}%
3552     }
3553     \newcommand{\@bidiuftesidenote@marginfont}{\normalfont\footnotesize}
3554     \newcommand*{\@bidiuftesidenote@sidenote@font}{\@bidiuftesidenote@marginfont}
3555     \newcommand*{\@bidiuftesidenote@marginnote@font}{\@bidiuftesidenote@marginfont}
3556     \newcommand*{\@bidiuftesidenote@citation@font}{\@bidiuftesidenote@marginfont}
3557     \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidiuftesidenote@sidenote@font}{#1}}
3558     \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidiuftesidenote@marginnote@font}{#1}}
3559     \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidiuftesidenote@citation@font}{#1}}
3560     \newcommand*{\@bidiuftesidenote@sidenote@justification}{\@bidiuftesidenote@justification@au}
3561     \newcommand*{\@bidiuftesidenote@marginnote@justification}{\@bidiuftesidenote@justification@au}
3562     \newcommand*{\@bidiuftesidenote@citation@justification}{\@bidiuftesidenote@justification@au}
3563     \newcommand*{\@bidiuftesidenote@justification@autodetect}{\justifying}%
3564     \newcommand{\@bidiuftesidenote@margin@par}{%
3565         \setlength{\RaggedRightParindent}{0.5pc}%
3566         \setlength{\JustifyingParindent}{0.5pc}%
3567         \setlength{\parindent}{0.5pc}%
3568         \setlength{\parskip}{0pt}%
3569     }
3570     %%
3571     % Globally sets the length
3572     \@ifundefined{gsetlength}{%
3573     \newcommand*{\gsetlength}[2]{%
3574         \setlength{#1}{#2}%
3575         \global#1=#1\relax%
3576     }%
3577     }{}
3578     %%
3579     % Globally sets a boolean
3580     \@ifundefined{gsetboolean}{%
3581     \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
3582         \lowercase{\def\@tempa{#2}}%
3583         \@ifundefined{@tempwa\@tempa}%
3584         {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
3585         {\@ifundefined{#1\@tempa}%
3586             {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3587             {\global\csname#1\@tempa\endcsname}%
3588         }%
3589     }%
3590     }{}
3591     %%
3592     % A function that removes leading and trailing spaces from the supplied macro.
3593     % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
3594     % Executing \@bidiuftesidenote@trim@spaces\xyzy will result in the contents of \xyzy
3595     % being trimmed of leading and trailing white space.
3596     \catcode`\Q=3
3597     \def\@bidiuftesidenote@trim@spaces#1{%
3598     % Use grouping to emulate a multi-token afterassignment queue

```



```

3599 \beginingroup%
3600 % Put ``\toks 0 {' into the afterassignment queue
3601 \aftergroup\toks\aftergroup0\aftergroup{%
3602 % Apply \trimb to the replacement text of #1, adding a leading
3603 % \noexpand to prevent brace stripping and to serve another purpose
3604 % later.
3605 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
3606 % Transfer the trimmed text back into #1.
3607 \edef#1{\the\toks0}%
3608 }
3609 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
3610 % clean up any leftover bizarre Qs, and trim a leading space. In
3611 % order for \trimc to work properly we need to put back a Q first.
3612 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
3613 % Execute \vfuzz assignment to remove leading space; the \noexpand
3614 % will now prevent unwanted expansion of a macro or other expandable
3615 % token at the beginning of the trimmed text. The \endgroup will feed
3616 % in the \aftergroup tokens after the \vfuzz assignment is completed.
3617 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
3618 \catcode`\Q=11
3619 %%
3620 % Citations should go in the margin as sidenotes
3621
3622 \RequirePackage{natbib}
3623 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environmen
3624 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
3625 \renewcommand\BR@b@bibitem[2] []{%
3626 \ifthenelse{\isempty{#1}}{%
3627 {\BR@bibitem{#2}}%
3628 {\BR@bibitem[#1]{#2}}%
3629 \BR@c@bibitem{#2}%
3630 }
3631 \nobibliography* % pre-loads the bibliography keys
3632 %%
3633 % Normal \cite behavior
3634 \newcounter{@bidityftesidenote@num@bibkeys}%
3635 \newcommand{\@bidityftesidenote@normal@cite}[2] [Opt]{%
3636 % Snag the last bibentry in the list for later comparison
3637 \let\@temp@last@bibkey\empty%
3638 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
3639 \sidenote[] [#1]{%
3640 % Loop through all the bibentries, separating them with semicolons and spaces
3641 \normalsize\normalfont\@bidityftesidenote@citation@font%
3642 \setcounter{@bidityftesidenote@num@bibkeys}{0}%
3643 \@for\@temp@bibkeyx:=#2\do{%
3644 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
3645 {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
3646 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3647 \bibentry{\@temp@bibkeyx}}%
3648 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey

```



```

3649         \bibentry{\@temp@bibkeyx};\ }%
3650         \stepcounter{@biditytesidenote@num@bibkeys}%
3651     }%
3652 }%
3653 }
3654 %%
3655 % Macros for holding the list of cite keys until after the \sidenote
3656 \gdef\@biditytesidenote@citations{}% list of cite keys
3657 \newcommand\@biditytesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
3658     \ifx\@biditytesidenote@citations\@empty\else
3659         \g@addto@macro\@biditytesidenote@citations{,}% separate by commas
3660     \fi
3661     \g@addto@macro\@biditytesidenote@citations{#1}
3662 }
3663 \newcommand{\@biditytesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
3664     % Snag the last bibentry in the list for later comparison
3665     \let\@temp@last@bibkey\@empty%
3666     \@for\@temp@bibkey:=\@biditytesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
3667     \marginpar{%
3668         \hbox{\vspace*{#1}}%
3669         \@biditytesidenote@citation@font%
3670         \@biditytesidenote@citation@justification%
3671         \@biditytesidenote@margin@par% use parindent and parskip settings for marginal text
3672         \vspace*{-1\baselineskip}%
3673     % Loop through all the bibentries, separating them with semicolons and spaces
3674     \setcounter{@biditytesidenote@num@bibkeys}{0}%
3675     \@for\@temp@bibkeyx:=\@biditytesidenote@citations\do{%
3676         \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
3677             {\ifthenelse{\equal{\value{@biditytesidenote@num@bibkeys}}{0}}{\and\ }%
3678             \@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3679             \bibentry{\@temp@bibkeyx}}%
3680             {\@biditytesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3681             \bibentry{\@temp@bibkeyx};\ }%
3682         \stepcounter{@biditytesidenote@num@bibkeys}%
3683     }%
3684 }%
3685 }
3686 %%
3687 % \cite behavior when executed within a sidenote
3688 \newcommand{\@biditytesidenote@sidenote@citations}{}% contains list of \cites in sidenote
3689 \newcommand{\@biditytesidenote@infootnote@cite}[1]{%
3690     \@biditytesidenote@add@citation{#1}
3691 }
3692 %%
3693 % Set the default \cite style. This is set and reset by the \sidenote command.
3694 \let\cite\@biditytesidenote@normal@cite
3695 %%
3696 % Transform existing \footnotes into \sidenotes
3697 % Sidenote: ``Where God meant footnotes to go.''' ---biditytesidenote
3698 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments

```



```

3699 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
3700 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
3701 % Override footmisc's definition to set the sidenote marks (numbers) inside the
3702 % sidenote's text block.
3703 \hopatch@AfterPackage{bidi}{\long\def\@makefntext#1{\@textsuperscript{\@bidityftesidenote@sidenote@font}#1}}
3704 % Set the in-text footnote mark in the same typeface as the body text itself.
3705 \hopatch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@sidenote@font}\@theftnmark}}}
3706 \providecommand*\multiplefootnotemarker{\footnotesize\@bidityftesidenote@sidenote@font}
3707 \providecommand*\multfootsep{\hspace{1em}}
3708 \hopatch@AfterPackage{bidi}{%
3709 \renewcommand{\@footnotemark}{%
3710 \leavevmode%
3711 \ifhmode%
3712 \edef\x@sf{\the\spacefactor}%
3713 \@bidityftesidenote@check@multiple@sidenotes%
3714 \nobreak%
3715 \fi%
3716 \@makefnmark%
3717 \ifhmode\spacefactor\x@sf\fi%
3718 \relax%
3719 }%
3720 }
3721 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
3722 \ifdim\lastkern=\multiplefootnotemarker\relax%
3723 \edef\x@sf{\the\spacefactor}%
3724 \unkern%
3725 \textsuperscript{\multfootsep}%
3726 \spacefactor\x@sf\relax%
3727 \fi
3728 }
3729 \hopatch@AfterPackage{bidi}{%
3730 \renewcommand\@footnotetext[2][Opt]{%
3731 \bidityftesidenotemarginpar{%
3732 \hbox{\vspace*{#1}}%
3733 \def\baselinestretch{\set@space@singlespace}%
3734 \reset@font\footnotesize%
3735 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
3736 \vspace*{-1\baselineskip}\noindent%
3737 \protected@edef\@currentlabel{%
3738 \csname p@footnote\endcsname\@theftnmark%
3739 }%
3740 \color@begingroup%
3741 \@makefntext{%
3742 \ignorespaces#2%
3743 }%
3744 \color@endgroup%
3745 }%
3746 }%
3747 \renewcommand\@LTRfootnotetext[2][Opt]{%
3748 \LTRbidityftesidenotemarginpar{%

```





```

3749 \hbox{}\vspace*{#1}%
3750 \def\baselinestretch {\setspace@singlespace}%
3751 \reset@font\footnotesize%
3752 \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
3753 \vspace*{-1\baselineskip}\noindent%
3754 \protected@edef\@currentlabel{%
3755     \csname p@footnote\endcsname\@thefnmark%
3756 }%
3757 \color@begingroup%
3758 \makefnmark{%
3759     \ignorespaces#2%
3760 }%
3761 \color@endgroup%
3762 }%
3763 }%
3764 \renewcommand\@RTLfootnotetext[2][0pt]{%
3765     \RTLbidituftesidenotemarginpar{%
3766         \hbox{}\vspace*{#1}%
3767         \def\baselinestretch {\setspace@singlespace}%
3768         \reset@font\footnotesize%
3769         \@bidituftesidenote@margin@par% use parindent and parskip settings for marginal text
3770         \vspace*{-1\baselineskip}\noindent%
3771         \protected@edef\@currentlabel{%
3772             \csname p@footnote\endcsname\@thefnmark%
3773         }%
3774         \color@begingroup%
3775         \makefnmark{%
3776             \ignorespaces#2%
3777         }%
3778         \color@endgroup%
3779     }%
3780 }%
3781 }
3782 %
3783 % Define \sidenote command. Can handle \cite.
3784 \newlength{\@bidituftesidenote@sidenote@vertical@offset}
3785 \setlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}
3786 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
3787 \long\def\@bidituftesidenote@sidenote[#1][#2]#3{%
3788     \let\cite\@bidituftesidenote@infootnote@cite% use the in-sidenote \cite command
3789     \gdef\@bidituftesidenote@citations{}% clear out any old citations
3790     \ifthenelse{\NOT\isempty{#2}}{%
3791         \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{#2}%
3792     }{%
3793         \gsetlength{\@bidituftesidenote@sidenote@vertical@offset}{0pt}%
3794     }%
3795     \ifthenelse{\isempty{#1}}{%
3796         % no specific footnote number provided
3797         \stepcounter\@mpfn%
3798         \protected@xdef\@thefnmark{\thempfn}%

```



```

3799 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3800 }{%
3801 % specific footnote number provided
3802 \begingroup%
3803 \csname c@\@mpfn\endcsname #1\relax%
3804 \unrestored@protected@xdef\@thefnmark{\thempfn}%
3805 \endgroup%
3806 \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3807 }%
3808 \@bidityftesidenote@print@citations% print any citations
3809 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
3810 \unskip\ignorespaces% remove extra white space
3811 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
3812 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
3813 }
3814 \long\def\@LTRbidityftesidenote@sidenote[#1][#2]#3{%
3815 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
3816 \gdef\@bidityftesidenote@citations{}% clear out any old citations
3817 \ifthenelse{\NOT\isempty{#2}}{%
3818 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
3819 }{%
3820 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
3821 }%
3822 \ifthenelse{\isempty{#1}}{%
3823 % no specific footnote number provided
3824 \stepcounter\@mpfn%
3825 \protected@xdef\@thefnmark{\thempfn}%
3826 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3827 }{%
3828 % specific footnote number provided
3829 \begingroup%
3830 \csname c@\@mpfn\endcsname #1\relax%
3831 \unrestored@protected@xdef\@thefnmark{\thempfn}%
3832 \endgroup%
3833 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3834 }%
3835 \@bidityftesidenote@print@citations% print any citations
3836 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
3837 \unskip\ignorespaces% remove extra white space
3838 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
3839 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
3840 }
3841 \long\def\@RTLbidityftesidenote@sidenote[#1][#2]#3{%
3842 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
3843 \gdef\@bidityftesidenote@citations{}% clear out any old citations
3844 \ifthenelse{\NOT\isempty{#2}}{%
3845 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
3846 }{%
3847 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
3848 }%

```



```

3849 \ifthenelse{\isempty{#1}}{%
3850   % no specific footnote number provided
3851   \stepcounter{\mpfn}%
3852   \protected@xdef\@thefnmark{\thempfn}%
3853   \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3854 }{%
3855   % specific footnote number provided
3856   \begingroup%
3857   \csname c@\mpfn\endcsname #1\relax%
3858   \unrestored@protected@xdef\@thefnmark{\thempfn}%
3859   \endgroup%
3860   \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3861 }%
3862 \@bidityftesidenote@print@citations%          print any citations
3863 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
3864 \unskip\ignorespaces%                          remove extra white space
3865 \kern-\multiplefootnotemarker%                remove \kern left behind by sidenote
3866 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
3867 }
3868 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
3869 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
3870 \newcommand{\RTLSidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
3871 \hopatch@AfterPackage{bidi}{%
3872 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
3873 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
3874 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
3875 }
3876 %%
3877 % Sidenote without the footnote mark
3878 \newcommand\marginnote[2] [Opt]{%
3879 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
3880 \gdef\@bidityftesidenote@citations{}%      clear out any old citations
3881 \bidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
3882 \@bidityftesidenote@print@citations%          print any citations
3883 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
3884 }
3885 \newcommand\LTRmarginnote[2] [Opt]{%
3886 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
3887 \gdef\@bidityftesidenote@citations{}%      clear out any old citations
3888 \LTRbidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
3889 \@bidityftesidenote@print@citations%          print any citations
3890 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
3891 }
3892 \newcommand\RTLMarginnote[2] [Opt]{%
3893 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
3894 \gdef\@bidityftesidenote@citations{}%      clear out any old citations
3895 \RTLbidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityftesidenote@print@citations%
3896 \@bidityftesidenote@print@citations%          print any citations
3897 \let\cite\@bidityftesidenote@normal@cite%      go back to using normal in-text \cite command
3898 }

```



## 7.22 bidentuftetoc.sty

```

3899 \NeedsTeXFormat{LaTeX2e}
3900 \ProvidesPackage{bidentuftetoc}[2011/06/17 v0.1
3901 bidi implementation of tufte toc]
3902 \RequirePackage{titlesec,titletoc,xifthen,hopatch}
3903 \newcommand{\@bidentuftetoc@pkgname}{bidentuftetoc}
3904 \newcommand{\bidentuftetocError}[2]{\PackageError{\@bidentuftetoc@pkgname}{#1}{#2}}
3905 %%
3906 % Turn off section numbering
3907 \setcounter{secnumdepth}{-1}
3908 \newboolean{@bidentuftetoc@toc}
3909 \setboolean{@bidentuftetoc@toc}{true}
3910 \DeclareOption{notoc}{\setboolean{@bidentuftetoc@toc}{false}}
3911 \DeclareOption{toc}{\setboolean{@bidentuftetoc@toc}{true}}
3912 \ProcessOptions
3913 %%
3914 % Make Tuftean-style section headings and TOC formatting
3915 \hopatch@AfterPackage{bidi}{%
3916 \titleformat{\chapter}%
3917 [display]% shape
3918 {\relax\ifthenelse{\NOT\boolean{@bidentuftefloat@symmetric}}{\begin{fullwidth}}{}}% format app
3919 {\itshape\huge\thechapter}% label
3920 {0pt}% horizontal separation between label and title body
3921 {\huge\rmfamily\itshape}% before the title body
3922 [\ifthenelse{\NOT\boolean{@bidentuftefloat@symmetric}}{\end{fullwidth}}{}}% after the title bo
3923 \titleformat{\section}%
3924 [hang]% shape
3925 {\normalfont\Large\itshape}% format applied to label+text
3926 {\thesecount}% label
3927 {1em}% horizontal separation between label and title body
3928 {}% before the title body
3929 []% after the title body
3930 \titleformat{\subsection}%
3931 [hang]% shape
3932 {\normalfont\large\itshape}% format applied to label+text
3933 {\thesubsection}% label
3934 {1em}% horizontal separation between label and title body
3935 {}% before the title body
3936 []% after the title body
3937 \titleformat{\paragraph}%
3938 [runin]% shape
3939 {\normalfont\itshape}% format applied to label+text
3940 {\theparagraph}% label
3941 {1em}% horizontal separation between label and title body
3942 {}% before the title body
3943 []% after the title body
3944 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
3945 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
3946 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}

```



```

3947 }
3948 % Subsubsection and following section headings shouldn't be used.
3949 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
3950 \renewcommand\subsubsection{%
3951   \biditytetocError{\noexpand\subsubsection is undefined by this class.%
3952     \MessageBreak See Robert Bringhurst's _The Elements of
3953     \MessageBreak Typographic Style_, section 4.2.2.
3954     \MessageBreak \noexpand\subsubsection was used}
3955   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
3956   \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
3957   \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
3958 }
3959 \renewcommand\subparagraph{%
3960   \biditytetocError{\noexpand\subparagraph is undefined by this class.%
3961     \MessageBreak See Robert Bringhurst's _The Elements of
3962     \MessageBreak Typographic Style_, section 4.2.2.
3963     \MessageBreak \noexpand\subparagraph was used}
3964   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
3965   \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
3966   \MessageBreak related threads on Ask E.T. at http://www.edwardbiditytetoc.com/.}
3967 }
3968 % Formatting for main TOC (printed in front matter)
3969 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
3970 \ifthenelse{\boolean{@biditytetoc@toc}}{%
3971   \hopatch@AfterPackage{bidi}{%
3972     \titlecontents{part}% FIXME
3973       [0em] % distance from left margin
3974       {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
3975       {\contentslabel{2em}} % before w/label (label = ``II'')
3976       {} % before w/o label
3977       {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
3978       [\end{fullwidth}] % after
3979     \titlecontents{chapter}%
3980       [0em] % distance from left margin
3981       {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
3982       {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2.1'')
3983       {\hspace*{0em}} % before w/o label
3984       {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
3985       [\end{fullwidth}] % after
3986     \titlecontents{section}% FIXME
3987       [0em] % distance from left margin
3988       {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting)
3989       {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
3990       {\hspace*{2em}} % before w/o label
3991       {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
3992       [\end{fullwidth}] % after
3993     \titlecontents{subsection}% FIXME
3994       [0em] % distance from left margin
3995       {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting)
3996       {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')

```



```

3997     {\hspace*{4em}} % before w/o label
3998     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
3999     [\end{fullwidth}] % after
4000 \titlecontents{paragraph}% FIXME
4001     [0em] % distance from left margin
4002     {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global format)
4003     {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4004     {\hspace*{6em}} % before w/o label
4005     {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4006     [\end{fullwidth}] % after
4007 }%
4008 {}
4009 %%
4010 % Format lists of figures/tables
4011 \renewcommand\listoffigures{%
4012   \@ifundefined{chapter}%
4013     {\section*{\listfigurename}}%
4014     {\chapter*{\listfigurename}}%
4015 % \begin{fullwidth}%
4016   \@starttoc{lof}%
4017 % \end{fullwidth}%
4018 }
4019 \renewcommand\listoftables{%
4020   \@ifundefined{chapter}%
4021     {\section*{\listtablename}}%
4022     {\chapter*{\listtablename}}%
4023 % \begin{fullwidth}%
4024   \@starttoc{lot}%
4025 % \end{fullwidth}%
4026 }
4027 \newcommand{\@bidityfttoc@lof@line}[2]{%
4028   % #1 is the figure/table number and its caption text
4029   % #2 is the page number on which the figure/table appears
4030   \leftskip 0.0em
4031   \rightskip 0em
4032   \parfillskip 0em plus 1fil
4033   \parindent 0.0em
4034   \@afterindenttrue
4035   \interlinepenalty\@M
4036   \leavevmode
4037   \@tempdima 2.0em
4038   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
4039   \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
4040   {#1}\nobreak\qqquad\nobreak#2%
4041   \par%
4042 }
4043 \renewcommand*{\l@figure}{\@bidityfttoc@lof@line}
4044 \let\l@table\l@figure

```



## 7.23 biduntftegeneralstructure.sty

```

4045 \NeedsTeXFormat{LaTeX2e}
4046 \ProvidesPackage{biduntftegeneralstructure}[2011/06/18 v0.1
4047 bidi implementation of tufte general structure]
4048 \renewcommand\small{%
4049   \@setfontsize\small\@ixpt{12}%
4050   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
4051   \abovedisplayshortskip \z@ \@plus2\p@
4052   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
4053   \def\@listi{\leftmargin\leftmargini
4054             \topsep 4\p@ \@plus2\p@ \@minus2\p@
4055             \parsep 2\p@ \@plus\p@ \@minus\p@
4056             \itemsep \parsep}%
4057   \belowdisplayskip \abovedisplayskip
4058 }
4059 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viiipt}
4060 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vipt}
4061 \renewcommand\large{\@setfontsize\large\@xipt{15}}
4062 \renewcommand\Large{\@setfontsize\Large\@xipt{16}}
4063 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
4064 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
4065 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
4066 \setlength\leftmargini {1pc}
4067 \setlength\leftmarginii {1pc}
4068 \setlength\leftmarginiii {1pc}
4069 \setlength\leftmarginiv {1pc}
4070 \setlength\leftmarginv {1pc}
4071 \setlength\leftmarginvi {1pc}
4072 \setlength\labelsep {.5pc}
4073 \setlength\labelwidth {\leftmargini}
4074 \addtolength\labelwidth{-\labelsep}
4075 \setlength{\parindent}{1.0pc}%
4076 \setlength{\parskip}{0pt}%
4077 \RequirePackage{ragged2e}
4078 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
4079 % Paragraph indentation and separation for normal text
4080 \newcommand{\@biduntftegeneralstructure@reset@par}{%
4081   \setlength{\RaggedRightParindent}{1.0pc}%
4082   \setlength{\JustifyingParindent}{1.0pc}%
4083   \setlength{\parindent}{1pc}%
4084   \setlength{\parskip}{0pt}%
4085 }
4086 \@biduntftegeneralstructure@reset@par
4087 % Require paralist package for tighter lists
4088 \RequirePackage{paralist}
4089 % Add rightmargin to compactenum
4090 \def\@compactenum{%
4091   \expandafter\list\csname label\@enumctr\endcsname{%
4092     \usecounter{\@enumctr}%

```



```

4093 \rightmargin=2em% added this
4094 \parsep\plparsep
4095 \itemsep\plitemsep
4096 \topsep\pltopsep
4097 \partopsep\plpartopsep
4098 \def\makelabel##1{\hss\llap{##1}}}}
4099 %%
4100 % An environment for paragraph-style section
4101 \providecommand\newthought[1]{%
4102 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
4103 \noindent\textbf{#1}%
4104 }
4105 %%
4106 % Redefine the display environments (quote, quotation, etc.)
4107 \renewenvironment{verse}
4108 {\let\\@centercr
4109 \list{}{\itemsep \z@
4110 \itemindent -1pc%
4111 \listparindent\itemindent
4112 \rightmargin \leftmargin
4113 \advance\leftmargin 1pc}%
4114 \small%
4115 \item\relax}
4116 {\endlist}
4117 \renewenvironment{quotation}
4118 {\list{}{\listparindent 1pc%
4119 \itemindent \listparindent
4120 \rightmargin \leftmargin
4121 \parsep \z@ \@plus\p@}%
4122 \small%
4123 \item\relax\noindent\ignorespaces}
4124 {\endlist}
4125 \renewenvironment{quote}
4126 {\list{}{\rightmargin\leftmargin}%
4127 \small%
4128 \item\relax}
4129 {\endlist}
4130 % Italicize description run-in headings (instead of the default bold)
4131 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
4132 %%
4133 % Redefine \bibsection to not mark the running heads.
4134 % (Code modified from natbib.sty.)
4135 \@ifundefined{chapter}%
4136 {\renewcommand\bibsection{\section*{\refname}}}
4137 {\@ifundefined{NAT@sectionbib}%
4138 {\renewcommand\bibsection{\chapter{\bibname}}}
4139 {\renewcommand\bibsection{\section*{\bibname}}}}
4140 \RequirePackage{multicol}
4141 \renewenvironment{theindex}{%
4142 \@ifundefined{chapter}%

```





```

4143     {\section*{\indexname}}%
4144     {\chapter{\indexname}}%
4145     \begin{fullwidth}%
4146     \small%
4147     \parskip0pt%
4148     \parindent0pt%
4149     \let\item\@idxitem%
4150     \begin{multicols}{3}%
4151 }{%
4152     \end{multicols}%
4153     \end{fullwidth}%
4154 }
4155 \AtBeginDocument{%
4156 \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
4157 \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
4158 \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
4159 \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
4160 \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

## 7.24 bidiutftehyperref.sty

```

4161 \NeedsTeXFormat{LaTeX2e}
4162 \ProvidesPackage{bidiutftehyperref}[2011/06/18 v0.1
4163 bidi implementation of tufte hyperref]
4164 %%
4165 % Color
4166 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
4167 \newboolean{@bidiutftehyperref@loadhyper}
4168 \setboolean{@bidiutftehyperref@loadhyper}{true}
4169 \DeclareOption{hyper}{\setboolean{@bidiutftehyperref@loadhyper}{true}}
4170 \DeclareOption{nohyper}{\setboolean{@bidiutftehyperref@loadhyper}{false}}
4171 \ProcessOptions
4172 %% Loads the hyperref package and sets some default options.
4173 \newcommand{\bidiutftehyperrefLoadHyperref}{%
4174 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
4175 \hypersetup{%
4176     bookmarksdepth = section,
4177     citecolor = DarkGreen,
4178     linkcolor = DarkBlue,
4179 %    pagecolor = DarkBlue,
4180     urlcolor = DarkGreen,
4181 }%
4182 }
4183 \ifthenelse{\boolean{@bidiutftehyperref@loadhyper}}{%
4184     \bidiutftehyperrefLoadHyperref%
4185 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
4186     \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
4187 }

```

## 7.25 bidiuftetitle.sty



```

4188 \NeedsTeXFormat{LaTeX2e}
4189 \ProvidesPackage{bidiuftetitle}[2011/06/18 v0.1
4190 bidi implementation of tufte title]
4191 \RequirePackage{etoolbox}
4192 %%
4193 % `titlepage' option -- creates a full title page with \maketitle
4194 \newboolean{@bidiuftetitle@titlepage}
4195 \DeclareOption{titlepage}{\setboolean{@bidiuftetitle@titlepage}{true}}
4196 \DeclareOption{notitlepage}{\setboolean{@bidiuftetitle@titlepage}{false}}
4197 % Default `book' and `handout' options
4198 \ifclassloaded{book}{%
4199 \ExecuteOptions{titlepage}}{%
4200 \ifclassloaded{article}{%
4201 \ExecuteOptions{notitlepage}}%
4202 {}}
4203 \ProcessOptions
4204 %%
4205 % Modified \title, \author, and \date commands. These store the
4206 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
4207 \newcommand{\plaintitle}{}% plain-text-only title
4208 \newcommand{\plainauthor}{}% plain-text-only author
4209 \newcommand{\plainpublisher}{}% plain-text-only publisher
4210 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
4211 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
4212 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
4213 \newcommand{@publisher}{}% full publisher with \thanks{}
4214 \newcommand{\thedata}{\today}
4215 \hopatch@AfterPackage{bidi}{%
4216 \renewcommand{\thanks}[1]{\footnote{#1}}
4217 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
4218 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
4219 }
4220 \renewcommand{\title}[2][]{%
4221 \gdef\@title{#2}%
4222 \begingroup%
4223 % TODO store contents of \thanks command
4224 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4225 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4226 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4227 \protected@xdef\thanklesstitle{#2}%
4228 \endgroup%
4229 \ifthenelse{\isempty{#1}}%
4230 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
4231 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
4232 \@ifundefined{hypersetup}%
4233 {}% hyperref is not loaded; do nothing
4234 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
4235 }
4236 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
4237 \renewcommand{\author}[2][]{%

```



```

4238 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
4239 \begingroup%
4240 % TODO store contents of \thanks command
4241 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4242 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4243 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4244 \protected@xdef\thanklessauthor{#2}%
4245 \endgroup%
4246 \ifthenelse{\isempty{#1}}%
4247 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
4248 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
4249 \@ifundefined{hypersetup}%
4250 {}% hyperref is not loaded; do nothing
4251 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
4252 }
4253 \renewcommand{\date}[1]{%
4254 \gdef\@date{#1}%
4255 \begingroup%
4256 % TODO store contents of \thanks command
4257 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4258 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4259 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4260 \protected@xdef\thedata{#1}%
4261 \endgroup%
4262 }
4263 %%
4264 % Provides a \publisher command to set the publisher
4265 \newcommand{\publisher}[2][{}]{%
4266 \gdef\@publisher{#2}%
4267 \begingroup%
4268 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4269 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4270 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4271 \protected@xdef\thanklesspublisher{#2}%
4272 \endgroup%
4273 \ifthenelse{\isempty{#1}}
4274 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
4275 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
4276 }
4277 %%
4278 % Produces a full title page
4279 \newcommand{\maketitlepage}[0]{%
4280 \cleardoublepage%
4281 {%
4282 \bfseries%
4283 \begin{fullwidth}%
4284 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
4285 \vspace{11.5pc}%
4286 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
4287 \vfill%

```



```

4288 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
4289 \end{fullwidth}%
4290 }
4291 \thispagestyle{empty}%
4292 \clearpage%
4293 }
4294 %%
4295 % Title block
4296 \AfterEndPreamble{%
4297 \renewcommand{\maketitle}{%
4298 \newpage%
4299 \global\@topnum\z@% prevent floats from being placed at the top of the page
4300 \begingroup%
4301 \setlength{\parindent}{0pt}%
4302 \setlength{\parskip}{4pt}%
4303 \let\@title\@empty%
4304 \let\@author\@empty%
4305 \let\@date\@empty%
4306 \gdef\@title{\LARGE\itshape\@title\par}%
4307 \gdef\@author{\Large\itshape\@author\par}%
4308 \gdef\@date{\Large\itshape\@date\par}%
4309 \@title%
4310 \@author%
4311 \@date%
4312 \endgroup%
4313 \thispagestyle{plain}% suppress the running head
4314 }%
4315 }
4316 %%
4317 % Title page (if the `titlepage' option was passed to the bidenttitle-handout
4318 % class.)
4319 \AfterEndPreamble{%
4320 \ifthenelse{\boolean{@bidenttitle@titlepage}}
4321 {\renewcommand{\maketitle}{\maketitlepage}}
4322 {}
4323 }
4324 %%
4325 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
4326 % without headers and footers
4327 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
4328 \hbox{}
4329 %\vspace*{\fill}
4330 %\begin{center}
4331 % This page intentionally contains only this sentence.
4332 %\end{center}
4333 %\vspace{\fill}
4334 \thispagestyle{empty}
4335 \newpage
4336 \if@twocolumn\hbox{}\newpage\fi\fi}

```



## 7.26 bidentufte-handout.cls

```
4337 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
4338 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
4339 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
4340 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
4341 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
4342 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
4343 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
4344 \ProcessOptions\relax
4345 \LoadClass{article}
4346 \RequirePackage{bidentuftefloat}
4347 \RequirePackage{bidentuftesidenote}
4348 \RequirePackage{bidentuftetoc}
4349 \RequirePackage{bidentuftegeneralstructure}
4350 \RequirePackage{bidentuftehyperref}
4351 \RequirePackage{bidentuftetitle}
4352 \renewenvironment{abstract}
4353   {\begin{quotation}}
4354   {\end{quotation}}
4355 \AtBeginDocument{%
4356   \IfFileExists{bidentufte-handout.cfg}
4357     {\input{bidentufte-handout.cfg}}
4358     \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}
4359   {}%
4360 }
```

## 7.27 bidentufte-book.cls

```
4361 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
4362 \ProvidesClass{bidentufte-book}[2011/06/18 v0.1 bidentufte-book class]
4363 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
4364 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
4365 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
4366 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
4367 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
4368 \ProcessOptions\relax
4369 \LoadClass{book}
4370 \RequirePackage{bidentuftefloat}
4371 \RequirePackage{bidentuftesidenote}
4372 \RequirePackage{bidentuftetoc}
4373 \RequirePackage{bidentuftegeneralstructure}
4374 \RequirePackage{bidentuftehyperref}
4375 \RequirePackage{bidentuftetitle}
4376 %%
4377 % Set up any book-specific stuff now
4378 %%
4379 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
4380 % to the opening page of Chapter 1. The running heads, when they appear,
4381 % contain only the (arabic) page number in the outside corner.
4382 %\newif\if@mainmatter \@mainmattertrue
```



```

4383 \renewcommand\frontmatter{%
4384   \cleardoublepage%
4385   \@mainmatterfalse%
4386   \pagenumbering{arabic}%
4387   %\pagestyle{plain}%
4388   \fancyhf{}%
4389   \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
4390     {\fancyhead[LE,RO]{\thepage}}%
4391     {\fancyhead[RE,RO]{\thepage}}%
4392 }
4393 %%
4394 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
4395 % numbering---it continues where it left off in the front matter.
4396 \renewcommand\mainmatter{%
4397   \cleardoublepage%
4398   \@mainmattertrue%
4399   \fancyhf{}%
4400   \ifthenelse{\boolean{@biditytuftefloat@twoside}}%
4401     {\renewcommand\chaptermark}[1]{\markboth{##1}{}}%
4402     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
4403     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
4404     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
4405 }
4406 %%
4407 % The back matter contains appendices, indices, glossaries, endnotes,
4408 % bibliographies, list of contributors, illustration credits, etc.
4409 \renewcommand\backmatter{%
4410   \if@openright%
4411     \cleardoublepage%
4412   \else%
4413     \clearpage%
4414   \fi%
4415   \@mainmatterfalse%
4416 }
4417 %%
4418 % Only show the chapter titles in the table of contents
4419 \setcounter{tocdepth}{0}
4420 \AtBeginDocument{%
4421   \IfFileExists{biditytufte-book.cfg}
4422     {\input{biditytufte-book.cfg}}
4423     \ClassInfo{biditytufte-book}{Loading biditytufte-book configuration file \@gobble}%
4424     {}%
4425 }

```

## 7.28 bidipoem.sty

```

4426 \NeedsTeXFormat{LaTeX2e}
4427 \ProvidesPackage{bidipoem}%
4428 [2014/02/05 v0.7 Environments for typesetting Persian traditional and modern poems]
4429 {\catcode\^^M=\active % these lines must end with %

```



```

4430 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
4431 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
4432 {\catcode\^^M=\active % these lines must end with %
4433 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
4434 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
4435 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
4436 \def\poemmarginskip{1em plus 1fil minus 1em}
4437 \def\poemextrabaselineskip{0\baselineskip}
4438 \def\poemskip{\medskip}
4439 \newcommand{\bidipoem@openbox}{\leavevmode
4440 \hbox to.77778em{%
4441 \hfil\vrule
4442 \vbox to.675em{\hrule width.6em\vfil\hrule}%
4443 \vrule\hfil}}
4444 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
4445 \newdimen\versewidth
4446 \newtoks\bidipoem@p@ftn
4447 \def\poem@verse#1{%
4448 \ifdim\wd#1>\new@poem@width
4449 \xdef\new@poem@width{\the\wd#1}%
4450 \ifdim\new@poem@width>\poem@width
4451 \xdef\poem@width{\new@poem@width}%
4452 \global\let\poem@needrun\relax
4453 \fi
4454 \fi
4455 \hbox to\poem@width{\unhbox#1}%
4456 \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn%
4457 }
4458 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmarginskip\relax}
4459 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
4460 \def\poem@lineversesep{%
4461 \nobreak
4462 \hskip\z@ plus 1filll%
4463 \penalty600%
4464 \hskip\poemcolsepskip
4465 \hskip\z@ plus -2filll%
4466 \vadjust{}}%
4467 \nobreak
4468 \hskip\z@ plus 1filll%
4469 }
4470 \def\poem@lineparsebegin{%
4471 \halign\bgroup
4472 \global\setbox\verse@i=\hbox{%
4473 \let\@footnotetext\bidipoem@p@ftntext%
4474 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
4475 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
4476 \let\@xfootnotenext\bidipoem@p@xftntext%
4477 \let\@xfootnote\bidipoem@p@xfootnote%
4478 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
4479 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%

```



```

4480 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
4481 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
4482 \ignorespaces##\unskip}&&
4483 \global\setbox\verse@ii=\hbox{%
4484 \let\@footnotetext\bidipoem@p@ftntext%
4485 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
4486 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
4487 \let\@xfootnotenext\bidipoem@p@xftntext%
4488 \let\@xfootnote\bidipoem@p@xfootnote%
4489 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
4490 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
4491 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
4492 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
4493 \ignorespaces##\unskip}
4494 \cr
4495 }
4496 \def\poem@lineparseend{%
4497 \crrc\egroup
4498 \vskip-\baselineskip
4499 }
4500 \def\traditionalpoem@cr{%
4501 \cr\poem@line
4502 }
4503 \newbox\verse@i
4504 \newbox\verse@ii
4505 \newif\ifpoem@started
4506
4507 \def\poem@line{%
4508 \poem@lineparseend
4509 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
4510 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
4511 \ifpoem@started
4512 \ifdim\wd\verse@ii>\z@\else
4513 \nopagebreak[3]
4514 \fi
4515 \leavevmode
4516 \poem@linebegin
4517 \poem@verse\verse@i
4518 \ifdim\wd\verse@ii>\z@
4519 \poem@lineversesep
4520 \poem@verse\verse@ii
4521 \fi
4522 \poem@lineend
4523 % \nopagebreak
4524 \par
4525 \vskip\poemextrabaselineskip
4526 \fi
4527 \poem@lineparsebegin
4528 }
4529 \def\@traditionalpoem{%

```





```

4530 \stepcounter{poem@no}
4531     \ifnum\max@poem@no<\number\c@poem@no%
4532 \xdef\poem@width{\z@}%
4533     \else
4534 \xdef\poem@width{\poem@prop{poem@width}}%
4535 \fi
4536 \xdef\new@poem@width{\z@}%
4537 \global\versewidth=\poem@width

4538 \poemskip\par
4539 \beginngroup
4540 \tabskip=\z@
4541 \parskip=\z@
4542 \parindent=\z@
4543 \parfillskip=\z@
4544 \rightskip=\z@
4545 \leftskip=\z@
4546 \widowpenalty=10000% No break between verses of the same line.
4547 \clubpenalty=10000% Same as above. Not really needed.
4548 \def\newblock{\hfil\poemblocksep\hfil\null}%
4549 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
4550 \def\{\global\poem@startedtrue\traditionalpoem@cr}%
4551 \global\poem@startedfalse
4552 \csname poem@obeylines\endcsname
4553 \let\poem@obeylines\relax
4554 \poem@lineparsebegin
4555 }
4556 \def\@endtraditionalpoem{%
4557 \cr
4558 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
4559 \noalign{%
4560 \skip0=\poemextrabaselineskip
4561 \vskip-\skip0
4562 \vskip-\baselineskip
4563 }%
4564 \fi\fi
4565 \poem@lineparseend
4566 \endgroup
4567 \par
4568 \vskip\baselineskip
4569 \poemskip
4570 \if@nparlist \else
4571     \ifdim\lastskip >\z@
4572         \@tempskipa\lastskip \vskip -\lastskip
4573         \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
4574         \vskip\@tempskipa
4575     \fi
4576     \@endparenv
4577 \fi
4578 \ifdim\new@poem@width<\poem@width

```



```

4579 \global\let\poem@needrun\relax
4580 \fi
4581     \poem@write@aux{poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
4582 \ifx\AtEndDocument\undefined\poem@finish\fi
4583 }
4584
4585
4586 \long\def\bidipoem@p@ftntext#1{%
4587     \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
4588     \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
4589 \long\def\bidipoem@p@LTRftntext#1{%
4590     \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
4591     \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
4592 \long\def\bidipoem@p@RTLftntext#1{%
4593     \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
4594     \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
4595
4596 \long\def\bidipoem@p@xftntext[#1]#2{%
4597     \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
4598
4599 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
4600     \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
4601
4602 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
4603     \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
4604
4605 \def\bidipoem@p@xfootnote[#1]{%
4606     \begingroup
4607         \csname c@\@mpfn\endcsname #1\relax
4608         \unrestored@protected@xdef\@thefnmark{\thempfn}%
4609     \endgroup
4610     \@footnotemark\bidipoem@p@xftntext[#1]}
4611
4612 \def\bidipoem@p@xLTRfootnote[#1]{%
4613     \begingroup
4614         \csname c@\@mpfn\endcsname #1\relax
4615         \unrestored@protected@xdef\@thefnmark{\thempfn}%
4616     \endgroup
4617     \@footnotemark\bidipoem@p@xLTRftntext[#1]}
4618
4619 \def\bidipoem@p@xRTLfootnote[#1]{%
4620     \begingroup
4621         \csname c@\@mpfn\endcsname #1\relax
4622         \unrestored@protected@xdef\@thefnmark{\thempfn}%
4623     \endgroup
4624     \@footnotemark\bidipoem@p@xRTLftntext[#1]}
4625
4626
4627
4628 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}

```



```

4629 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyl
4630 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
4631 \def\poem@finish{%
4632 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
4633 \ifx\poem@needrun\relax
4634 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
4635 \global\let\poem@needrun\undefined
4636 \fi
4637 }
4638 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
4639 \newcounter{poem@no}\setcounter{poem@no}{\z@}
4640 \ifx\max@poem@no\undefined
4641 \def\max@poem@no{0}%
4642 \fi
4643 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
4644 \newcommand{\poem@write@aux}[2]{%
4645 \def\@x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
4646 \@x
4647 }
4648 \def\@modernpoem{%
4649 \par
4650 \begingroup
4651 \parskip=\z@
4652 \parindent=\z@
4653 \def\[{ \@settab\@tabplus\ignorespaces}%
4654 \def\]\{ \@tabminus\ignorespaces}%
4655 \def\newblock{\poemblocksep}%
4656 \let\newpoem@tabcr\@tabcr
4657 \def\modernpoem@par{% Redefine \par for possible \obeylines
4658 \ifpoem@started\else
4659 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
4660 \@stopfield
4661 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
4662 \@contfield
4663 \fi
4664 \fi
4665 \ifpoem@started\newpoem@tabcr\fi}%
4666 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
4667 \global\poem@startedfalse
4668 \csname poem@obeylines\endcsname
4669 \let\poem@obeylines\relax
4670 \begin{tabbing}%
4671 }
4672 \def\@endmodernpoem{%
4673 \global\poem@startedfalse
4674 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
4675 \@stopfield
4676 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
4677 \@contfield
4678 \fi

```



```

4679 \ifpoem@started\else\let\@stopline\@stopfield\fi
4680 \end{tabbing}%
4681 \endgroup
4682 \par
4683 \if@nparlist \else
4684 \ifdim\lastskip >\z@
4685 \@tempskipa\lastskip \vskip -\lastskip
4686 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
4687 \vskip\@tempskipa
4688 \fi
4689 \@endparenv
4690 \fi
4691 }
4692 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
4693 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modernpoem@obeylines\modernpoem}
4694 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
4695 \gdef\@startfield{%
4696 \global\setbox\@curfield\hbox\bgroup%
4697 \let\@footnotetext\bidipoem@p@ftntext%
4698 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
4699 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
4700 \let\@xfootnotenext\bidipoem@p@xftntext%
4701 \let\@xfootnote\bidipoem@p@xfootnote%
4702 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
4703 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
4704 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
4705 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
4706 \color@begingroup}
4707 \gdef\@stopfield{%
4708 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
4709 \gdef\@contfield{%
4710 \global\setbox\@curfield\hbox\bgroup%
4711 \let\@footnotetext\bidipoem@p@ftntext%
4712 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
4713 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
4714 \let\@xfootnotenext\bidipoem@p@xftntext%
4715 \let\@xfootnote\bidipoem@p@xfootnote%
4716 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
4717 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
4718 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
4719 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
4720 \color@begingroup\unhbox\@curfield}

```

## 7.29 boek3-xetex-bidi.def

```

4721 \ProvidesFile{boek3-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for boek3 class for XeTeX e
4722 \renewenvironment{theindex}{%
4723 \if@twocolumn
4724 \@restonecolfalse
4725 \else

```



```

4726 \@restonecoltrue
4727 \fi
4728 \columnseprule \z@
4729 \columnsep 35\p@
4730 \twocolumn[\@makeschapterhead{\indexname}]%
4731 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
4732 \thispagestyle{plain}\parindent\z@
4733 \parskip\z@ \@plus .3\p@\relax
4734 \let\item\@idxitem
4735 }{%
4736 \if@restonecol\onecolumn\else\clearpage\fi}
4737 \renewcommand*{\headstyle}{%
4738 \interlinepenalty \@M
4739 \hyphenpenalty=\@M \exhyphenpenalty=\@M
4740 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
4741 \renewcommand*{\regtocline}[3]{%
4742 \ifnum #1>\c@tocdepth
4743 \else
4744 \vskip\z@ \@plus .2\p@
4745 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
4746 \if@RTL\rightskip\else\leftskip\fi\unitindent
4747 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
4748 \parfillskip\z@
4749 \@tempdima\unitindent
4750 \parindent\z@
4751 \leavevmode
4752 \hbox{\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
4753 \hskip 1em \nobreak{\slshape #3}\par
4754 }%
4755 \fi}
4756 \if@oldtoc
4757 \renewcommand*{\l@part}[2]{%
4758 \ifnum \c@tocdepth >-2\relax
4759 \addpenalty{-\@highpenalty}%
4760 \addvspace{2.25em \@plus\p@}%
4761 \begingroup
4762 \setlength{\tempdima}{3em}%
4763 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
4764 \parfillskip -\@pnumwidth
4765 {\leavevmode
4766 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
4767 \nobreak
4768 \global\@nobreaktrue
4769 \everypar{\global\@nobreakfalse\everypar{}}}%
4770 \endgroup
4771 \fi}
4772 \else
4773 \renewcommand*{\l@part}{%
4774 \ifnum \c@tocdepth >-2\relax
4775 \addpenalty{-\@highpenalty}%

```



```

4776      \addvspace{2.25em \@plus \p@}%
4777      \@regtocline{0}%
4778      \fi}
4779 \fi
4780 \if@oldtoc
4781 \renewcommand*\l@chapter[2]{%
4782   \addpenalty{-\@highpenalty}%
4783   \vskip 1.0em \@plus\p@
4784   \setlength\@tempdima{1.5em}%
4785   \begingroup
4786   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
4787   \parfillskip -\@pnumwidth
4788   \leavevmode \bfseries
4789   \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
4790   \hskip -\if@RTL\rightskip\else\leftskip\fi
4791   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
4792   \penalty\@highpenalty
4793   \endgroup}
4794 \else
4795   \renewcommand*\l@chapter{\@regtocline{0}}
4796 \fi
4797 \renewenvironment{abstract}{%
4798   \titlepage
4799   \null\vfil
4800   \section*{\SectFont \abstractname}
4801   \noindent\ignorespaces}
4802   {\par\vfil\null\endtitlepage}
4803 \renewenvironment{thebibliography}[1]
4804   {\chapter*{\bibname}%
4805    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
4806    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
4807    \list{\@biblabel{\@arabic\c@enumiv}}%
4808      {\settowidth\labelwidth{\@biblabel{#1}}%
4809       \leftmargin\labelwidth
4810       \advance\leftmargin\labelsep
4811       \@openbib@code
4812       \usecounter{enumiv}%
4813       \let\p@enumiv\@empty
4814       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
4815     \sloppy\clubpenalty4000\widowpenalty4000%
4816     \sfcode`.\@m}
4817   {\def\@noitemerr
4818    {\@latex@warning{Empty `thebibliography' environment}}%
4819    \endlist}
4820 \renewcommand*\left@footnoterule{%
4821   \kern-3\p@
4822   \kern.5\baselineskip
4823   \hrule\@width\unitindent
4824   \kern.4\baselineskip
4825 }

```



```

4826 \renewcommand*\right@footnoterule{%
4827   \hbox to \columnwidth
4828   {\beginR \vbox{%
4829     \kern-3\p@
4830     \kern.5\baselineskip
4831     \hrule\@width\unitindent
4832     \kern.4\baselineskip}\hfil\endR}
4833 }
4834 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
4835 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
4836 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
4837 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
4838 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
4839 \renewcommand*\theequation{%
4840   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
4841 \renewcommand*\thefigure{%
4842   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
4843 \renewcommand*\thetable{%
4844   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
4845 \renewcommand*\maketitle{%
4846   \begin{titlepage}%
4847     \let\footnotesize\small
4848     \let\right@footnoterule\relax
4849     \let\left@footnoterule\relax
4850     \let\textwidth\footnoterule\relax
4851     \let \footnote \thanks
4852     \long\def\@makefnmark##1{\parindent\z@
4853       \def\labelitemi{\textendash}\@revlabeltrue
4854       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
4855     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
4856     \if@compatibility\setcounter{page}{0}\fi
4857     \null\vfil
4858     \vskip 60\p@
4859     \begin{center}%
4860       \TitleFont
4861       {\LARGE \def\\{\penalty -\@M}
4862         \if@allcaps
4863           \expandafter\uc@nothanks\@title\thanks\relax
4864         \else
4865           \@title
4866         \fi\par}%
4867       \vskip 3em%
4868       {\large
4869         \lineskip .75em \parindent\z@
4870         \begin{tabular}[t]{c}%
4871           \if@allcaps
4872             \expandafter\uc@author\@author\and\relax
4873           \else
4874             \@author
4875           \fi

```



```

4876         \end{tabular}\par}%
4877     \vskip 1.5em%
4878     {\large
4879     \if@allcaps
4880         \uppercase\expandafter{\@date}%
4881     \else
4882         \@date
4883     \fi\par}%
4884     \end{center}\par
4885     \@thanks
4886     \vfil\null
4887 \end{titlepage}%
4888 \setcounter{footnote}{0}%
4889 \global\let\thanks\relax
4890 \global\let\maketitle\relax
4891 \global\let\@thanks\@empty
4892 \global\let\@author\@empty
4893 \global\let\@title\@empty
4894 \global\let\@date\@empty
4895 \global\let\title\relax
4896 \global\let\author\relax
4897 \global\let\date\relax
4898 \global\let\and\relax
4899 }

```

### 7.30 boek-xetex-bidi.def

```

4900 \ProvidesFile{boek-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for boek class for XeTeX eng
4901 \renewenvironment{theindex}{%
4902     \if@twocolumn
4903         \@restonecolfalse
4904     \else
4905         \@restonecoltrue
4906     \fi
4907     \columnseprule \z@
4908     \columnsep 35\p@
4909     \twocolumn[\@makeschapterhead{\indexname}]%
4910     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
4911     \thispagestyle{plain}\parindent\z@
4912     \parskip\z@ \@plus .3\p@\relax
4913     \let\item\@idxitem
4914 }{%
4915     \if@restonecol\onecolumn\else\clearpage\fi}
4916 \renewcommand*{\head@style}{%
4917     \interlinepenalty \@M
4918     \hyphenpenalty=\@M \exhyphenpenalty=\@M
4919     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
4920 \renewcommand*{\regtocline}[3]{%
4921     \ifnum #1>\c@tocdepth
4922     \else

```





```

4923 \vskip\z@\@plus.2\p@
4924 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
4925 \if@RTL\rightskip\else\leftskip\fi\unitindent
4926 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
4927 \parfillskip\z@
4928 \@tempdima\unitindent
4929 \parindent\z@
4930 \leavevmode
4931 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
4932 \hskip 1em \nobreak{\slshape #3}\par
4933 }%
4934 \fi}
4935 \if@oldtoc
4936 \renewcommand*\l@part[2]{%
4937 \ifnum \c@tocdepth >-2\relax
4938 \addpenalty{-\@highpenalty}%
4939 \addvspace{2.25em \@plus\p@}%
4940 \begingroup
4941 \setlength\@tempdima{3em}%
4942 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
4943 \parfillskip -\@pnumwidth
4944 {\leavevmode
4945 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
4946 \nobreak
4947 \global\@nobreaktrue
4948 \everypar{\global\@nobreakfalse\everypar{}}%
4949 \endgroup
4950 \fi}
4951 \else
4952 \renewcommand*\l@part{%
4953 \ifnum \c@tocdepth >-2\relax
4954 \addpenalty{-\@highpenalty}%
4955 \addvspace{2.25em \@plus \p@}%
4956 \@regtocline{0}%
4957 \fi}
4958 \fi
4959 \if@oldtoc
4960 \renewcommand*\l@chapter[2]{%
4961 \addpenalty{-\@highpenalty}%
4962 \vskip 1.0em \@plus\p@
4963 \setlength\@tempdima{1.5em}%
4964 \begingroup
4965 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
4966 \parfillskip -\@pnumwidth
4967 \leavevmode \bfseries
4968 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
4969 \hskip -\if@RTL\rightskip\else\leftskip\fi
4970 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
4971 \penalty\@highpenalty
4972 \endgroup}

```



```

4973 \else
4974   \renewcommand*\l@chapter{\@regtocline{0}}
4975 \fi
4976 \renewcommand*\left@footnoterule{%
4977   \kern-3\p@
4978   \kern.5\baselineskip
4979   \hrule\@width\unitindent
4980   \kern.4\baselineskip
4981 }
4982 \renewcommand*\right@footnoterule{%
4983   \hbox to \columnwidth
4984   {\beginR \vbox{%
4985     \kern-3\p@
4986     \kern.5\baselineskip
4987     \hrule\@width\unitindent
4988     \kern.4\baselineskip}\hfil\endR}
4989 }
4990 \renewenvironment{abstract}{%
4991   \titlepage
4992   \null\vfil
4993   \section*\@SectFont \abstractname}
4994   \noindent\ignorespaces}
4995   {\par\vfil\null\endtitlepage}
4996 \renewenvironment{thebibliography}[1]
4997   {\chapter*\@bibname}%
4998   \@mkboth{\MakeUppercase\@bibname}{\MakeUppercase\@bibname}%
4999   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5000   \list{\@biblabel{\@arabic\c@enumiv}}%
5001     {\settowidth\labelwidth{\@biblabel{#1}}%
5002     \leftmargin\labelwidth
5003     \advance\leftmargin\labelsep
5004     \@openbib@code
5005     \usecounter{enumiv}%
5006     \let\p@enumiv\@empty
5007     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5008     \sloppy\clubpenalty4000\widowpenalty4000
5009     \sfcode`\.\@m}
5010   {\def\@noitemerr
5011     {\@latex@warning{Empty `thebibliography' environment}}%
5012     \endlist}
5013 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5014 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5015 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5016 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5017 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5018 \renewcommand*\theequation{%
5019   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5020 \renewcommand*\thefigure{%
5021   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
5022 \renewcommand*\thetable{%

```



```

5023 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
5024 \renewcommand*\maketitle{%
5025 \begin{titlepage}%
5026 \let\footnotesize\small
5027 \let\right@footnoterule\relax
5028 \let\left@footnoterule\relax
5029 \let\textwidth@footnoterule\relax
5030 \let \footnote \thanks
5031 \long\def\@makefntext##1{\parindent\z@
5032 \def\labelitemi{\textendash}\@revlabeltrue
5033 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5034 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5035 \if@compatibility\setcounter{page}{0}\fi
5036 \null\vfil
5037 \vskip 60\p@
5038 \begin{center}%
5039 \TitleFont
5040 {\LARGE \def\{\{\penalty -\@M}
5041 \if@allcaps
5042 \expandafter\uc@nothanks\@title\thanks\relax
5043 \else
5044 \@title
5045 \fi\par}%
5046 \vskip 3em%
5047 {\large
5048 \lineskip .75em \parindent\z@
5049 \begin{tabular}[t]{c}%
5050 \if@allcaps
5051 \expandafter\uc@authornothanks\@author\and\relax
5052 \else
5053 \@author
5054 \fi
5055 \end{tabular}\par}%
5056 \vskip 1.5em%
5057 {\large
5058 \if@allcaps
5059 \uppercase\expandafter{\@date}%
5060 \else
5061 \@date
5062 \fi\par}%
5063 \end{center}\par
5064 \@thanks
5065 \vfil\null
5066 \end{titlepage}%
5067 \setcounter{footnote}{0}%
5068 \global\let\thanks\relax
5069 \global\let\maketitle\relax
5070 \global\let\@thanks\@empty
5071 \global\let\@author\@empty
5072 \global\let\@title\@empty

```



```

5073 \global\let\@date\empty
5074 \global\let\title\relax
5075 \global\let\author\relax
5076 \global\let\date\relax
5077 \global\let\and\relax
5078 }

```

### 7.31 bookest-xetex-bidi.def

```

5079 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeT
5080 \def\@makechapterhead#1{%
5081   \vspace*{20\p@}
5082   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
5083     \ifnum \c@secnumdepth >\m@ne
5084       \if@mainmatter
5085         {\colorA\huge\scshape \@chapapp\space \thechapter}
5086         \par\nobreak
5087         \vskip 10\p@
5088       \fi
5089     \fi
5090     \interlinepenalty\@M
5091     {\colorB\hrule}
5092     \vskip 15\p@
5093     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
5094       {\colorA\Huge \bfseries #1}\par\nobreak
5095     \if@RTL\end{flushleft}\else\end{flushright}\fi
5096     \vskip 5\p@
5097     {\colorB\hrule}
5098     \vskip 30\p@
5099   }}
5100 \def\@makeschapterhead#1{%
5101   \vspace*{20\p@}
5102   {\parindent \z@ \raggedright \normalfont
5103     {\colorB\hrule}
5104     \vskip 15\p@
5105     \begin{center}
5106       {\colorA\Huge \bfseries #1}\par\nobreak
5107     \end{center}
5108     \vskip 5\p@
5109     {\colorB\hrule}
5110     \vskip 30\p@
5111   }}

```

### 7.32 book-xetex-bidi.def

```

5112 \ProvidesFile{book-xetex-bidi.def}[2011/08/26 v0.8 bidi adaptations for standard book class for
5113 \renewenvironment{theindex}
5114   {\if@twocolumn
5115     \@restonecolfalse
5116   \else
5117     \@restonecoltrue

```



```

5118         \fi
5119         \columnseprule \z@
5120         \columnsep 35\p@
5121         \twocolumn[\@makeschapterhead{\indexname}]%
5122         \@mkboth{\MakeUppercase\indexname}%
5123             {\MakeUppercase\indexname}%
5124         \thispagestyle{plain}\parindent\z@
5125         \parskip\z@ \@plus .3\p@\relax
5126         \let\item\@idxitem}
5127     {\if@restonecol\onecolumn\else\clearpage\fi}
5128 \ifclassloaded{bookest}{\{-%
5129   \if@titlepage
5130     \renewcommand\maketitle{\begin{titlepage}%
5131       \let\footnotesize\small
5132       \let\right@footnoterule\relax
5133       \let\left@footnoterule\relax
5134       \let\textwidth\footnoterule\relax
5135       \let \footnote \thanks
5136       \let \LTRfootnote \LTRthanks
5137       \let \RTLfootnote \RTLthanks
5138       \null\vfil
5139       \vskip 60\p@
5140       \begin{center}%
5141         {\LARGE \@title \par}%
5142         \vskip 3em%
5143         {\large
5144           \lineskip .75em%
5145           \begin{tabular}[t]{c}%
5146             \@author
5147             \end{tabular}\par}%
5148           \vskip 1.5em%
5149           {\large \@date \par}%           % Set date in \large size.
5150       \end{center}\par
5151       \@thanks
5152       \vfil\null
5153     \end{titlepage}%
5154     \setcounter{footnote}{0}%
5155     \global\let\thanks\relax
5156     \global\let\LTRthanks\relax
5157     \global\let\RTLthanks\relax
5158     \global\let\maketitle\relax
5159     \global\let\@thanks\@empty
5160     \global\let\@author\@empty
5161     \global\let\@date\@empty
5162     \global\let\@title\@empty
5163     \global\let\title\relax
5164     \global\let\author\relax
5165     \global\let\date\relax
5166     \global\let\and\relax
5167 }

```



```

5168 \else
5169 \renewcommand\maketitle{\par
5170 \begingroup
5171 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
5172 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
5173 \long\def\@makefntext##1{\parindent 1em\noindent
5174 \hb@xt@1.8em{%
5175 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
5176 \if@twocolumn
5177 \ifnum \col@number=\@ne
5178 \@maketitle
5179 \else
5180 \twocolumn[\@maketitle]%
5181 \fi
5182 \else
5183 \newpage
5184 \global\@topnum\z@ % Prevents figures from going at top of page.
5185 \@maketitle
5186 \fi
5187 \thispagestyle{plain}\@thanks
5188 \endgroup
5189 \setcounter{footnote}{0}%
5190 \global\let\thanks\relax
5191 \global\let\LTRthanks\relax
5192 \global\let\RTLthanks\relax
5193 \global\let\maketitle\relax
5194 \global\let\@maketitle\relax
5195 \global\let\@thanks\@empty
5196 \global\let\@author\@empty
5197 \global\let\@date\@empty
5198 \global\let\@title\@empty
5199 \global\let\title\relax
5200 \global\let\author\relax
5201 \global\let\date\relax
5202 \global\let\and\relax
5203 }
5204 \def\@maketitle{%
5205 \newpage
5206 \null
5207 \vskip 2em%
5208 \begin{center}%
5209 \let \footnote \thanks
5210 \let \LTRfootnote \LTRthanks
5211 \let \RTLfootnote \RTLthanks
5212 {\LARGE \@title \par}%
5213 \vskip 1.5em%
5214 {\large
5215 \lineskip .5em%
5216 \begin{tabular}[t]{c}%
5217 \@author

```



```

5218 \end{tabular}\par}%
5219 \vskip 1em%
5220 {\large \@date}%
5221 \end{center}%
5222 \par
5223 \vskip 1.5em}
5224 \fi}
5225 \renewcommand*\l@part[2]{%
5226 \ifnum \c@tocdepth >-2\relax
5227 \addpenalty{-\@highpenalty}%
5228 \addvspace{2.25em \@plus\p@}%
5229 \setlength\@tempdima{3em}%
5230 \begingroup
5231 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5232 \parfillskip -\@pnumwidth
5233 {\leavevmode
5234 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5235 \nobreak
5236 \global\@nobreaktrue
5237 \everypar{\global\@nobreakfalse\everypar{}}%
5238 \endgroup
5239 \fi}
5240 \renewcommand*\l@chapter[2]{%
5241 \ifnum \c@tocdepth >\m@ne
5242 \addpenalty{-\@highpenalty}%
5243 \vskip 1.0em \@plus\p@
5244 \setlength\@tempdima{1.5em}%
5245 \begingroup
5246 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5247 \parfillskip -\@pnumwidth
5248 \leavevmode \bfseries
5249 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5250 \hskip -\if@RTL\rightskip\else\leftskip\fi
5251 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5252 \penalty\@highpenalty
5253 \endgroup
5254 \fi}
5255 \renewcommand\left@footnoterule{%
5256 \kern-3\p@
5257 \hrule\@width.4\columnwidth
5258 \kern2.6\p@}
5259 \renewcommand\right@footnoterule{%
5260 \hbox to \columnwidth
5261 {\beginR \vbox{%
5262 \kern-3\p@
5263 \hrule\@width.4\columnwidth
5264 \kern2.6\p@}\hfil\endR}}
5265 \renewcommand\theequation
5266 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
5267 \renewcommand \thefigure

```



```

5268     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
5269 \renewcommand \thetable
5270     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
5271 \renewcommand \thechapter {\@arabic\c@chapter}
5272 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
5273 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
5274 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
5275 \renewcommand \theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
5276 \renewcommand \thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
5277 \def\@makechapterhead#1{%
5278     \vspace*{50\p@}%
5279     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
5280       \ifnum \c@secnumdepth >\m@ne
5281         \if@mainmatter
5282           \huge\bfseries \@chapapp\space \thechapter
5283           \par\nobreak
5284           \vskip 20\p@
5285         \fi
5286       \fi
5287       \interlinepenalty\@M
5288       \Huge \bfseries #1\par\nobreak
5289       \vskip 40\p@
5290     }}
5291 \def\@makeschapterhead#1{%
5292     \vspace*{50\p@}%
5293     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
5294       \normalfont
5295       \interlinepenalty\@M
5296       \Huge \bfseries #1\par\nobreak
5297       \vskip 40\p@
5298     }}
5299 \renewcommand\backmatter{%
5300     \if@openright
5301       \cleardoublepage
5302     \else
5303       \clearpage
5304     \fi
5305     \@mainmatterfalse}
5306 \renewenvironment{thebibliography}[1]
5307     {\chapter*{\bibname}%
5308      \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5309      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5310      \list{\@biblabel{\@arabic\c@enumiv}}%
5311          {\settowidth\labelwidth{\@biblabel{#1}}%
5312           \leftmargin\labelwidth
5313           \advance\leftmargin\labelsep
5314           \@openbib@code
5315           \usecounter{enumiv}%
5316           \let\p@enumiv\@empty
5317           \renewcommand\theenumiv{\@arabic\c@enumiv}}%

```





```

5318      \sloppy
5319      \clubpenalty4000
5320      \@clubpenalty \clubpenalty
5321      \widowpenalty4000%
5322      \sfcode`\.\@m}
5323      {\def\@noitemerr
5324       {\@latex@warning{Empty `thebibliography' environment}}}%
5325      \endlist}

```

### 7.33 breqn-xetex-bidi.def

```

5326 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for XeTeX]
5327 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
5328 \everydisplay\expandafter{\the\everydisplay \display@setup}%
5329 \if@noskipsec \leavevmode \fi
5330 \if@inlabel \leavevmode \global\@inlabelfalse \fi
5331 \if\eq@group\else\eq@prelim\fi
5332 \setkeys{breqn}{#1}%
5333 \the\eqstyle
5334 \eq@setnumber
5335 \begingroup
5336 \eq@setup@a
5337 \eq@startup
5338 }
5339 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
5340 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
5341 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
5342 \global\let\GRP@label\@empty
5343 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
5344 \global\grp@linewidth\z@\global\grp@wdNum\z@
5345 \global\let\grp@eqs@numbered\@False
5346 \global\let\grp@aligned\@True
5347 \global\let\grp@shiftnumber\@False
5348 \eq@prelim
5349 \setkeys{breqn}{#1}%
5350 \if\grp@hasNumber \grp@setnumber \fi
5351 }
5352 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
5353 \let\display@setup\dseries@display@setup
5354 % Question: should this be the default for dseries???
5355 \global\eq@wdCond\z@
5356 \@dmath[layout={M},#1]%
5357 \mathsurround\z@\@math \penalty\@Mi
5358 \let\endmath\ends@math
5359 \def\premath{%
5360   \ifdim\lastskip<.3em \unskip
5361   \else\ifnum\lastpenalty<\@M \dquad\fi\fi
5362 }%
5363 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
5364 \ignorespaces

```



```

5365 }
5366 \def\eqnumform#1{\if@Latin\else\beginR\@RTLtrue\fi(#1\@@italiccorr)\if@Latin\else\endR\fi}
5367 \renewenvironment{dsuspend}{%
5368   \global\setbox\EQ@box\vbox\bgroup\if@Latin\else\@RTLtrue\fi \@parboxrestore
5369   \parshape 1 \displayindent \displaywidth\relax
5370   \hsize=\columnwidth \noindent\ignorespaces
5371 }{%
5372   \par\egroup
5373   \global\setbox\GRP@box\vbox{%
5374     \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}}%
5375   \unvbox\GRP@box
5376 }%
5377 \global\GRP@queue\@xp{\the\GRP@queue
5378   \@elt{\let\eq@isIntertext\@True}}%
5379 }%
5380 }

```

### 7.34 cals-xetex-bidi.def

```

5381 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX e
5382 \renewenvironment{calstable}[1][c]{%
5383 \ifRTL\@RTLtabtrue\cals@activate@rtl\fi
5384 \if l#1%
5385   \ifRTLtab\leftskip\fill \rightskip\z@\else\leftskip\z@ \rightskip\fill\fi
5386 \else\if r#1%
5387   \ifRTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
5388 \else\if c#1%
5389   \leftskip\fill \rightskip\fill
5390 \fi\fi\fi
5391 \let\cals@thead@tokens=\relax
5392 \let\cals@tfoot@tokens=\relax
5393 \let\cals@tbreak@tokens=\relax
5394 \cals@tfoot@height=0pt \relax
5395 \let\cals@last@context=n%
5396 \let\cals@current@context=b%
5397 \parindent=0pt %
5398 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
5399 %% Alignment inside is independent on center/flushright outside
5400 \parfillskip=0pt plus1fil\relax
5401 \let\cals@borderL=\relax
5402 \let\cals@borderR=\relax
5403 \let\cals@borderT=\relax
5404 \let\cals@borderB=\relax
5405 }{% End of the table
5406 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
5407
5408 \renewcommand\alignL{%
5409 \dimen0=\cals@paddingL \ifRTLtab\cals@paddingL=\dimen0 plus 1fil\else\cals@paddingL=\dimen0\
5410 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
5411

```



```

5412 \renewcommand\alignR{%
5413 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\
5414 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

### 7.35 caption-xetex-bidi.def

```

5415 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for X
5416 \let\@makecaption\caption@makecaption

```

### 7.36 caption3-xetex-bidi.def

```

5417 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for
5418 \renewcommand*\caption@par{%
5419 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

### 7.37 colortbl-xetex-bidi.def

```

5420 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for
5421 \def\CT@setup{%
5422 \@tempdimb\col@sep
5423 \@tempdimc\col@sep
5424 \def\CT@color{%
5425 \global\let\CT@do@color\CT@@do@color
5426 \bidicolor}}
5427 \def\@classz{\@classx
5428 \@tempcnta\count@
5429 \prepnext@tok
5430 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
5431 \@addtopreamble{\if@RTLtab\beginL\fi%
5432 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
5433 \ifcase \@chnum
5434 \hskip\stretch{.5}\kern\z@
5435 \d@llarbegin
5436 \insert@column
5437 \d@llarend\hskip\stretch{.5}\or
5438 \d@llarbegin \insert@column \d@llarend \hfill \or
5439 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
5440 $\vcenter
5441 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
5442 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
5443 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
5444 \fi
5445 \if@RTLtab\endR\fi\egroup\egroup
5446 \begingroup
5447 \CT@setup
5448 \CT@column@color
5449 \CT@row@color
5450 \CT@cell@color
5451 \CT@do@color
5452 \endgroup
5453 \@tempdima\ht\z@
5454 \advance\@tempdima\minrowclearance

```



```

5455      \vrule\@height\@tempdima\@width\z@
5456      \unhbox\z@\if@RTLtab\endL\fi}%
5457      \prepnext@tok}

```

### 7.38 color-xetex-bidi.def

```

5458 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX]
5459 \long\def\color@b@x#1#2#3{%
5460   \leavevmode\ifhmode\else\if@RTL\beginL\fi\fi
5461   \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
5462   \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
5463   \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
5464   {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
5465     \box\z@}}\ifhmode\else\if@RTL\endL\fi\fi}
5466 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
5467 \DeclareRobustCommand\color{%
5468   \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}%
5469 \def\@declaredcolor#1{%
5470   \ifundefined{\string\color @#1}%
5471     {\c@lor@error{`#1'}}%
5472     {\expandafter\let\expandafter\current@color
5473       \csname\string\color @#1\endcsname
5474       \set@color}%
5475   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
5476 \def\@undeclaredcolor[#1]#2{%
5477   \ifundefined{color@#1}%
5478     {\c@lor@error{model `#1'}}%
5479     {\csname color@#1\endcsname\current@color{#2}%
5480     \set@color}%
5481   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
5482 \DeclareRobustCommand\bidicolor{%
5483   \ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}%
5484 \def\@bidiundeclaredcolor[#1]#2{%
5485   \ifundefined{color@#1}%
5486     {\c@lor@error{model `#1'}}%
5487     {\csname color@#1\endcsname\current@color{#2}%
5488     \set@color}%
5489   \ignorespaces}
5490 \def\@bidideclaredcolor#1{%
5491   \ifundefined{\string\color @#1}%
5492     {\c@lor@error{`#1'}}%
5493     {\expandafter\let\expandafter\current@color
5494       \csname\string\color @#1\endcsname
5495       \set@color}%
5496   \ignorespaces}
5497 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
5498 \def\color@fbbox#1#2#3{%
5499   \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}
5500 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode

```



## 7.39 combine-xetex-bidi.def

```
5501 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeTeX]
5502 \renewcommand{\c@ll@chapsecii}[2]{%
5503   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5504   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
5505   #1\nobreak\hfil\nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5506 }
5507 \renewcommand{\c@ll@chapseci}{%
5508   \setlength\@tempdima{0em}%
5509   \begin{group}
5510     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5511     \parfillskip -\@pnumwidth
5512     \leavevmode
5513   }
5514 \renewenvironment{tocindent}[1]{%
5515   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{}
```

## 7.40 crop-xetex-bidi.def

```
5516 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX]
5517 \renewcommand*\CROP@ulc{%
5518   \if@RTLmain%
5519     \begin{picture}(0,0)
5520       \unitlength\p@thinlines
5521       \put(-40,0){\circle{10}}
5522       \put(-30,-5){\line(0,1){10}}
5523       \put(-35,0){\line(1,0){30}}
5524       \put(-10,30){\circle{10}}
5525       \put(-5,30){\line(1,0){10}}
5526       \put(0,35){\line(0,-1){30}}
5527     \end{picture}%
5528   \else%
5529     \begin{picture}(0,0)
5530       \unitlength\p@thinlines
5531       \put(-30,0){\circle{10}}
5532       \put(-30,-5){\line(0,1){10}}
5533       \put(-35,0){\line(1,0){30}}
5534       \put(0,30){\circle{10}}
5535       \put(-5,30){\line(1,0){10}}
5536       \put(0,35){\line(0,-1){30}}
5537     \end{picture}%
5538   \fi%
5539 }
5540 \renewcommand*\CROP@urc{%
5541   \if@RTLmain%
5542     \begin{picture}(0,0)
5543       \unitlength\p@thinlines
5544       \put(20,0){\circle{10}}
5545       \put(30,-5){\line(0,1){10}}
5546       \put(35,0){\line(-1,0){30}}
```



```

5547         \put(-10,30){\circle{10}}
5548         \put(-5,30){\line(1,0){10}}
5549         \put(0,35){\line(0,-1){30}}
5550     \end{picture}%
5551 \else%
5552     \begin{picture}(0,0)
5553         \unitlength\p@\thinlines
5554         \put(30,0){\circle{10}}
5555         \put(30,-5){\line(0,1){10}}
5556         \put(35,0){\line(-1,0){30}}
5557         \put(0,30){\circle{10}}
5558         \put(-5,30){\line(1,0){10}}
5559         \put(0,35){\line(0,-1){30}}
5560     \end{picture}%
5561     \fi%
5562 }
5563 \renewcommand*\CROP@llc{%
5564     \if@RTLmain%
5565         \begin{picture}(0,0)
5566             \unitlength\p@\thinlines
5567             \put(-40,0){\circle{10}}
5568             \put(-30,-5){\line(0,1){10}}
5569             \put(-35,0){\line(1,0){30}}
5570             \put(-10,-30){\circle{10}}
5571             \put(-5,-30){\line(1,0){10}}
5572             \put(0,-35){\line(0,1){30}}
5573         \end{picture}%
5574     \else%
5575         \begin{picture}(0,0)
5576             \unitlength\p@\thinlines
5577             \put(-30,0){\circle{10}}
5578             \put(-30,-5){\line(0,1){10}}
5579             \put(-35,0){\line(1,0){30}}
5580             \put(0,-30){\circle{10}}
5581             \put(-5,-30){\line(1,0){10}}
5582             \put(0,-35){\line(0,1){30}}
5583         \end{picture}%
5584     \fi%
5585 }
5586 \renewcommand*\CROP@lrc{%
5587     \if@RTLmain%
5588         \begin{picture}(0,0)
5589             \unitlength\p@\thinlines
5590             \put(20,0){\circle{10}}
5591             \put(30,-5){\line(0,1){10}}
5592             \put(35,0){\line(-1,0){30}}
5593             \put(-10,-30){\circle{10}}
5594             \put(-5,-30){\line(1,0){10}}
5595             \put(0,-35){\line(0,1){30}}
5596         \end{picture}%

```



```

5597 \else%
5598 \begin{picture}(0,0)
5599 \unitlength\p@\thinlines
5600 \put(30,0){\circle{10}}
5601 \put(30,-5){\line(0,1){10}}
5602 \put(35,0){\line(-1,0){30}}
5603 \put(0,-30){\circle{10}}
5604 \put(-5,-30){\line(1,0){10}}
5605 \put(0,-35){\line(0,1){30}}
5606 \end{picture}%
5607 \fi%
5608 }
5609 \@ifpackagewith{crop}{cam}{%
5610 \CROP@execopt{cam}%
5611 }{}

```

## 7.41 cutwin-xetex-bidi.def

```

5612 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeT
5613 \renewcommand*{\c@twcompctr}[2]{%
5614 \def\c@twfirst{1}
5615 \loop\advance\c@twwinlines\m@ne
5616 \setbox\c@twslicea=\vsplit#1 to\baselineskip
5617 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
5618 \c@twprune{\c@twslicea}{\c@twlftside}%
5619 \c@twprune{\c@twsliceb}{\c@twrtside}%
5620 \ifnum\c@twfirst=\@ne
5621 \setbox#2=\vbox{\unvbox#2\hbox
5622 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\pageinwindow\hfil\if@RTL\box\c@twsl
5623 \else
5624 \setbox#2=\vbox{\unvbox#2\hbox
5625 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\
5626 \fi
5627 \def\c@twfirst{2}
5628 \ifnum\c@twwinlines>\z@\repeat}
5629 \renewcommand*{\c@twcompodctr}[2]{%
5630 \def\c@twrounds{1}
5631 \def\c@twfirst{1}
5632 \@for\c@twlspec:=\c@twb\do{%
5633 \ifnum\c@twrounds=1
5634 \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
5635 \c@twprune{\c@twslicea}{\c@twlspec}%
5636 \def\c@twrounds{2}
5637 \else
5638 \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
5639 \c@twprune{\c@twsliceb}{\c@twlspec}%
5640 \ifnum\c@twfirst=1
5641 \setbox#2=\vbox{\unvbox#2\hbox
5642 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\picinwindow\hfil\if@RTL\box\
5643 \def\c@twfirst{2}

```



```

5644     \else
5645         \setbox#2=\vbox{\unvbox#2\hbox
5646         to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}}
5647     \fi
5648     \def\c@twrounds{1}
5649 \fi}}

```

## 7.42 cuted-xetex-bidi.def

```

5650 \ProvidesFile{cuted-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for cuted package for XeTeX]
5651 \def\RTL@outputdblcol{%
5652 \if@firstcolumn \global\@firstcolumnfalse
5653 \global\setbox\@leftcolumn \box\@outputbox
5654 \else
5655 \global\@firstcolumntrue
5656 \setbox\@outputbox \vbox {\hbox to\textwidth {%
5657 \hskip \columnwidth
5658 \hfil \vrule width\columnseprule \hfil
5659 \hbox to\columnwidth {\box\@leftcolumn \hss}%
5660 \hskip -\textwidth
5661 \hbox to\columnwidth{\box\@outputbox \hss}%
5662 \hskip \columnsep
5663 \hskip \columnwidth }}%
5664 \ifvoid\hold@viper
5665 \else
5666 \setbox\@outputbox \vbox to\textheight{%
5667 \box\hold@viper
5668 \box\@outputbox
5669 \vss
5670 }%
5671 \fi
5672 \@combinedblfloats \@outputpage
5673 \begingroup \@dblfloatplacement \@startdblcolumn
5674 \@whiles\if@fcolmade \fi
5675 {\@outputpage \@startdblcolumn }%
5676 \ifvoid\@viper
5677 \else
5678 \global\setbox\@viper\vbox{%
5679 \vskip-\stripsep
5680 \unvbox\@viper
5681 }%
5682 \@viperoutput
5683 \fi
5684 \endgroup
5685 \fi}
5686 \def\LTR@outputdblcol{%
5687 \if@firstcolumn
5688 \global \@firstcolumnfalse
5689 \global \setbox\@leftcolumn \box\@outputbox
5690 \else

```





```

5691 \global\@firstcolumntrue
5692 \setbox\@outputbox \vbox {%
5693     \hb@xt@\textwidth {%
5694         \hb@xt@\columnwidth {%
5695             \box\@leftcolumn \hss}%
5696         \hfil
5697         \vrule \width\columnseprule
5698         \hfil
5699         \hb@xt@\columnwidth {%
5700             \box\@outputbox \hss}%
5701         }%
5702     }%
5703 \ifvoid\hold@viper
5704 \else
5705     \setbox\@outputbox \vbox to\textheight{%
5706         \box\hold@viper
5707         \box\@outputbox
5708         \vss
5709     }%
5710 \fi
5711 \@combinedblfloats
5712 \@outputpage
5713 \begingroup
5714     \dblfloatplacement
5715     \startdblcolumn
5716     \@whilesw\if@fcolmade \fi
5717         {\@outputpage
5718         \startdblcolumn}%
5719 \ifvoid\@viper
5720 \else
5721     \global\setbox\@viper\vbox{%
5722         \vskip-\stripsep
5723         \unvbox\@viper
5724     }%
5725     \@viperoutput
5726 \fi
5727 \endgroup
5728 \fi
5729 }
5730 \def \addviper {%
5731     \if@firstcolumn
5732         \insertfalse
5733         \@reqcolroom .5\@pageht
5734         \ht@viper\@reqcolroom
5735         \advance \@reqcolroom \ht\@viper
5736         \advance \@reqcolroom \stripsep
5737         \ifvoid\hold@viper\@tempdima=z\else\@tempdima\ht\hold@viper\fi
5738     %%
5739     \@tempdimb \ht@viper
5740     \loop

```



```

5741 \setbox\v@aaa\copy\@holdpg
5742 \setbox\v@ccc\vbox to\@tempdimb{%
5743     \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
5744 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
5745 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
5746 \loop
5747 \setbox\v@aaa\copy\@holdpg
5748 \setbox\v@ccc\vbox to\@tempdimb{%
5749     \vsplit\v@aaa to\@tempdimb\vss}%
5750 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
5751 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
5752 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
5753 \setbox\v@ccc\vbox to\@tempdimb{%
5754     \vsplit\@holdpg to\@tempdimb\vss}%
5755 %%
5756 \setbox\@tempboxa \vbox {%
5757     \hb@xt@\textwidth {%
5758         \if@RTLmain%
5759             \hskip \columnwidth
5760             \hfil \vrule width\columnseprule \hfil
5761             \hb@xt@\columnwidth {%
5762                 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
5763             \hskip -\textwidth
5764             \hb@xt@\columnwidth {%
5765                 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
5766             \hskip \columnsep
5767             \hskip \columnwidth
5768             \else%
5769                 \hb@xt@\columnwidth {%
5770                     \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
5771                     \hfil
5772                     \vrule \@width\columnseprule
5773                     \hfil
5774                     \hb@xt@\columnwidth {%
5775                         \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
5776                         \fil}%
5777                 }%
5778 \ifvoid\hold@viper
5779     \global\setbox\hold@viper \vbox {%
5780         \unvbox\@tempboxa
5781         \penalty\interlinepenalty
5782         \vskip\stripsep
5783         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5784         \outputpenalty \z@
5785     }%
5786 \else
5787     \global\setbox\hold@viper \vbox {%
5788         \unvbox\hold@viper
5789         \unvbox\@tempboxa
5790         \penalty\interlinepenalty

```



```

5791         \vskip\stripsep
5792         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5793         \outputpenalty \z@
5794         }%
5795     \fi
5796     \ifdim \@colroom>\@reqcolroom
5797         \global\setbox\hold@viper \vbox {%
5798             \unvbox\hold@viper
5799             \box\@viper
5800             \penalty\interlinepenalty
5801             \vskip\stripsep
5802             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5803             \outputpenalty \z@
5804             }%
5805         \@inserttrue
5806         \advance\@tempdima by-\ht\hold@viper
5807         \global \advance \@colht \@tempdima
5808         \ifdim \@colht<2.5\baselineskip
5809         \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
5810             too tall on page \thepage (1 stulpelis)}}%
5811         \@emptycol
5812         \if@firstcolumn
5813         \else
5814             \@emptycol
5815         \fi
5816         \global\@lastvipertrue
5817     \else
5818         \global \vsize \@colht
5819         \global \@colroom \@colht
5820         \check@floats
5821         \ifdim\@tempdima>\z@
5822             \global\advance\@colroom by-\@tempdima
5823         \fi
5824         \ifdim\@colroom<\z@
5825             \global\@colroom 1pt
5826             \ifdim\@tempdima>\@colht
5827                 \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
5828                     netelpa lape \thepage (1 stulpelis)}}%
5829             \fi
5830             \@emptycol
5831             \if@firstcolumn
5832             \else
5833                 \@emptycol
5834             \fi
5835             \global\@lastvipertrue
5836         \fi
5837     \fi
5838 \fi
5839 \else
5840     \@insertfalse

```



```

5841 \@reqcolroom\@colht
5842 \advance\@reqcolroom \@pageht
5843 \ht@viper.5\@reqcolroom
5844 \@reqcolroom\ht@viper
5845 \advance \@reqcolroom \ht\@viper
5846 \advance \@reqcolroom \stripsep
5847 \if@flushend@auto@baselineskip
5848 \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
5849 \global\lastskip@d\lastskip
5850 \global\lastskip@b\lastskip
5851 \loop
5852 \global\lastskip@a\lastskip@b
5853 \unskip\unpenalty
5854 \global\lastskip@b\lastskip
5855 \global\advance\lastskip@d by\lastskip
5856 \ifdim\lastskip@b=-\lastskip@a
5857 \global\advance\lastskip@d by-\lastskip
5858 \else
5859 \repeat
5860 \ifdim\lastskip@b=-\lastskip@a
5861 \ifdim\lastskip@b=\z@
5862 \setbox\lastbox@a\lastbox
5863 \global\advance\lastskip@d by\ht\lastbox@a
5864 \global\advance\lastskip@d by\lastskip
5865 \unskip\unpenalty
5866 \setbox\lastbox@a\lastbox
5867 \global\advance\lastskip@d by\dp\lastbox@a
5868 \else
5869 \global\lastskip@d\lastskip
5870 \global\advance\lastskip@d by\topskip
5871 \fi
5872 \fi
5873 \global\advance\lastskip@d by-\topskip
5874 }%
5875 \ifdim\ht\@holdpg>\@colht
5876 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
5877 \par\eject
5878 \vbox to \@colht{\unvbox\@holdpg\unskip}}%
5879 }%
5880 \else
5881 \global\setbox\@holdpg\vbox{%
5882 \unvbox\@leftcolumn\unskip\unpenalty
5883 \vskip\lastskip@d
5884 \the\At@ViperColsBreak
5885 \unvbox\@holdpg
5886 \unskip
5887 }%
5888 \fi
5889 \else
5890 \global\setbox\@holdpg\vbox{%

```



```

5891         \unvbox\@leftcolumn
5892         \setbox\@tempboxa\lastbox
5893         \on@stripcols@break
5894         \the\At@ViperColsBreak
5895         \unvbox\@holdpg
5896     }%
5897 \fi
5898 \global\At@ViperColsBreak{}%
5899 \ht@viper .5\ht\@holdpg
5900 \ifdim \ht@viper>\@colht
5901     \ht@viper \@colht
5902 \fi
5903 \ifvoid\hold@viper\@tempdima=\z@ \else \@tempdima\ht\hold@viper\fi
5904 %%
5905 \@tempdimb \ht@viper
5906 \loop
5907     \setbox\v@aaa\copy\@holdpg
5908     \setbox\v@ccc\vbox to\@tempdimb{%
5909         \vsplit\v@aaa to\@tempdimb
5910         \vss
5911         \vsplit\v@aaa to\@tempdimb
5912     }%
5913     \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
5914 \ifvoid\v@aaa
5915 \else
5916     \advance\@tempdimb 1\p@
5917 \repeat
5918 \loop
5919     \setbox\v@aaa\copy\@holdpg
5920     \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
5921     \wlog{(2)Left:\the\ht\v@ccc\space
5922         Right:\the\ht\v@aaa\space
5923         Output:\the\@tempdimb
5924     }%
5925 \ifdim\ht\v@ccc<\ht\v@aaa
5926     \@tempdimb \the\ht\v@aaa
5927 \repeat
5928 \wlog{- LAST -^^JLeft:\the\ht\v@ccc
5929     ^^JRight:\the\ht\v@aaa
5930     ^^JOutput:\the\@tempdimb
5931 }%
5932 \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
5933 \setbox\@tempboxa\vbox{%
5934     \hb@xt@\textwidth {%
5935         \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
5936         \hfil
5937         \vrule \@width\columnseprule
5938         \hfil
5939         \hb@xt@\columnwidth{\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
5940     }%

```



```

5941     }%
5942 \ifvoid\hold@viper
5943     \global\setbox\hold@viper \vbox {%
5944         \unvbox\@tempboxa
5945         \penalty\interlinepenalty
5946         \vskip\stripsep
5947         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5948         \outputpenalty \z@
5949     }%
5950 \else
5951     \global\setbox\hold@viper \vbox {%
5952         \unvbox\hold@viper
5953         \unvbox\@tempboxa
5954         \penalty\interlinepenalty
5955         \vskip\stripsep
5956         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5957         \outputpenalty \z@
5958     }%
5959 \fi
5960 \ifdim \@colht>\@reqcolroom
5961     \global\setbox\hold@viper \vbox {%
5962         \unvbox\hold@viper
5963         \box\@viper
5964         \penalty\interlinepenalty
5965         \vskip\stripsep
5966         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5967         \outputpenalty \z@
5968     }%
5969 \@inserttrue
5970 \global\@firstcolumntrue
5971 \advance\@tempdima by-\ht\hold@viper
5972 \global \advance \@colht \@tempdima
5973 \ifdim \@colht<2.5\baselineskip
5974 \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
5975                             too tall on page \thepage (2 stulpelis)}%
5976     \@emptycol
5977     \if@firstcolumn
5978     \else
5979         \@emptycol
5980     \fi
5981     \global\@lastvipertrue
5982 \else
5983     \global \vsize \@colht
5984     \global \@colroom \@colht
5985     \check@floats
5986     \ifdim\@tempdima>\z@
5987         \global\advance\@colroom by-\@tempdima
5988     \fi
5989     \ifdim\@colroom<\z@
5990         \global\@colroom 1pt

```



```

5991          \ifdim\@tempdima>\@colht
5992          \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
5993                                   netelpa lape \thepage (2 stulpelis)}}%
5994          \fi
5995          \@emptycol
5996          \if@firstcolumn
5997          \else
5998              \@emptycol
5999          \fi
6000          \global\@lastvipertrue
6001      \fi
6002  \fi
6003 \fi
6004 \fi
6005 \if@insert
6006 \else
6007     \advance\@tempdima by-\ht\hold@viper
6008     \global \advance \@colht \@tempdima
6009     \global\setbox\hold@viper \vbox {%
6010                                     \unvbox\hold@viper
6011                                     \csname viper@top@hook\endcsname
6012                                     \vsplit\@viper to \@colht
6013                                     \vss
6014                                     }%
6015     \vbox{}%
6016     \global\@firstcolumnfalse
6017     \newpage
6018 \fi
6019 }

```

## 7.43 cvthemebidicasual.sty

```

6020 \NeedsTeXFormat{LaTeX2e}
6021 \ProvidesPackage{cvthemebidicasual}
6022 \DeclareOption{blue}{}
6023 \newif\if@colourorange\@colourorangefalse
6024 \DeclareOption{orange}{\@colourorangetrue}
6025 \newif\if@colourgreen\@colourgreenfalse
6026 \DeclareOption{green}{\@colourgreentrue}
6027 \newif\if@colouredred\@colouredredfalse
6028 \DeclareOption{red}{\@colouredredtrue}
6029 \newif\if@colourgrey\@colourgreyfalse
6030 \DeclareOption{grey}{\@colourgreytrue}
6031 \DeclareOption*{
6032     \PackageWarning{cvthemebidicasual}{Unknown option ‘\CurrentOption’}}
6033 \ExecuteOptions{colour}
6034 \ProcessOptions\relax
6035 \renewcommand*{\listitemsymbol}{\textbullet}
6036 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
6037 \familynamecolour{808080}

```



```

6038 \firstnamecolour{A9A9A9}
6039 \quotecolour{696969}
6040 \addresscolour{696969}
6041 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
6042 \sectiontitlecolour{1E90FF}
6043 \subsectioncolour{4682B4}
6044 \definecolor{rulecolour}{gray}{0.6}
6045 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
6046 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
6047 \if@colouorange
6048 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6049 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6050 \sectiontitlecolour{FF8C00}
6051 \subsectioncolour{FF8C00}
6052 \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
6053 \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
6054 \if@colourgreen
6055 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6056 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6057 \sectiontitlecolour{008000}
6058 \subsectioncolour{008000}
6059 \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
6060 \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
6061 \if@coloured
6062 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6063 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6064 \sectiontitlecolour{FF0000}
6065 \subsectioncolour{FF0000}
6066 \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
6067 \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
6068 \if@colourgrey
6069 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6070 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6071 \sectiontitlecolour{808080}
6072 \subsectioncolour{808080}
6073 \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
6074 \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
6075 \renewcommand*{\ttdefault}{pcr}
6076 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
6077 \renewcommand*{\familynamefont}{\firstnamefont}
6078 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6079 \renewcommand*{\quote font}{\large\slshape}
6080 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6081 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6082 \renewcommand*{\maketitle}{%
6083 {%
6084 \ifthenelse{\isundefined{\@photo}}{%
6085 {}%
6086 {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}%
6087 \hfill%

```





```

6088 \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]}%
6089 {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]}%
6090 \ifthenelse{\isundefined{\@quote}}{%
6091   }%
6092   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.
6093   }%
6094 \newif\if@firstfooterelement\@firstfooterelementtrue
6095 \providecommand*{\footersymbol}{}
6096 \renewcommand*{\footersymbol}{%
6097   \if@firstfooterelement%
6098   \else%
6099     {~~\color{footersymbolcolor}\textbullet~~}\fi}
6100 \providecommand*{\makefooter}{}
6101 \renewcommand*{\makefooter}{%
6102   \fancypagestyle{plain}{%
6103     \fancyfoot[c]{%
6104       \parbox{0.8\textwidth}{%
6105         \centering%
6106         \addressfont\@addresscolour%
6107         \ifthenelse{\isundefined{\@address}}{}{%
6108           \addresssymbol~\@address\\%
6109           \@firstfooterelementfalse}%
6110         \ifthenelse{\isundefined{\@mobile}}{}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
6111         \ifthenelse{\isundefined{\@phone}}{}{\footersymbol\phonesymbol~\@phone\@firstfooterelemen
6112         \ifthenelse{\isundefined{\@fax}}{}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}
6113         \ifthenelse{\isundefined{\@email}}{}{\footersymbol\emailsymbol~\emailink{\@email}\@first
6114         \ifthenelse{\isundefined{\@extrainfo}}{}{\footersymbol\@extrainfo\@firstfooterelementfals
6115       }%
6116     \pagestyle{plain}}
6117 \AtBeginDocument{\makefooter}

```

## 7.44 cvthemebidiclassic.sty

```

6118 \NeedsTeXFormat{LaTeX2e}
6119 \ProvidesPackage{cvthemebidiclassic}
6120 \DeclareOption{blue}{}
6121 \newif\if@colourorange\@colourorangefalse
6122 \DeclareOption{orange}{\@colourorangetrue}
6123 \newif\if@colourgreen\@colourgreenfalse
6124 \DeclareOption{green}{\@colourgreentrue}
6125 \newif\if@colourred\@colourredfalse
6126 \DeclareOption{red}{\@colourredtrue}
6127 \newif\if@colourgrey\@colourgreyfalse
6128 \DeclareOption{grey}{\@colourgreytrue}
6129 \DeclareOption*{
6130   \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}}
6131 \ExecuteOptions{colour}
6132 \ProcessOptions\relax
6133 \renewcommand*{\listitemsymbol}{\textbullet}
6134 \firstnamecolour{}

```



```

6135 \familynamecolour{}
6136 \titlecolour{808080}
6137 \quotecolour{696969}
6138 \addresscolour{696969}
6139 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
6140 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
6141 \sectiontitlecolour{1E90FF}
6142 \subsectioncolour{4682B4}
6143 \if@colourorange
6144 \addresscolour{FF8C00}
6145 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
6146 \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
6147 \sectiontitlecolour{FF8C00}
6148 \subsectioncolour{FF8C00}\fi
6149 \if@colourgreen
6150 \addresscolour{008000}
6151 \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6152 \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6153 \sectiontitlecolour{008000}
6154 \subsectioncolour{008000}\fi
6155 \if@colourred
6156 \addresscolour{FF0000}
6157 \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6158 \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6159 \sectiontitlecolour{FF0000}
6160 \subsectioncolour{FF0000}\fi
6161 \if@colourgrey
6162 \addresscolour{808080}
6163 \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6164 \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6165 \sectiontitlecolour{808080}
6166 \subsectioncolour{808080}\fi
6167 \renewcommand*{\ttdefault}{pcr}
6168 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
6169 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
6170 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6171 \renewcommand*{\familynamefont}{\firstnamefont}
6172 \renewcommand*{\quote font}{\large\slshape}
6173 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6174 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6175 \newlength{\maketitlenamemaxwidth}
6176 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
6177 \newlength{\maketitlenamefullwidth}
6178 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
6179 \newlength{\maketitlenamewidth}
6180 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamefullwidth}
6181 \newlength{\maketitlepicturewidth}
6182 \setlength{\maketitlepicturewidth}{\@photowidth}
6183 \newlength{\maketitledetailwidth}
6184 \renewcommand*{\recomputethemelengths}{%

```



```

6185 \setlength{\maketitledetailswidth}{\textwidth}%
6186 \addtolength{\maketitledetailswidth}{-\maketitlenamewidth}%
6187 \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
6188 \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}%
6189 \recomputethemelengths
6190 \newif\if@firstdetailselement\@firstdetailselementtrue
6191 \newcommand*{\maketitledetailsnewline}{%
6192   \if@firstdetailselement%
6193     \@firstdetailselementfalse%
6194   \else%
6195     \[\.2em]\fi}
6196 \renewcommand*{\maketitle}{%
6197   % name and title
6198   \begin{minipage}[b]{\maketitlenamewidth}%
6199     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
6200     \ifthenelse{\equal{\@title}{}}{\}\{\}\[1.25em]\titlestyle{\@title}}%
6201   \end{minipage}%
6202   % optional data
6203   \begin{minipage}[b]{\maketitledetailswidth}%
6204     \bidi@raggedleft\addressfont\@addresscolour%
6205     \ifthenelse{\isundefined{\@address}}{\}\{\}%
6206       \maketitledetailsnewline%
6207       \addresssymbol~\@\@address}%
6208     \ifthenelse{\isundefined{\@mobile}}{\}\{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
6209     \ifthenelse{\isundefined{\@phone}}{\}\{\}\maketitledetailsnewline\phonesymbol~\@phone}%
6210     \ifthenelse{\isundefined{\@fax}}{\}\{\}\maketitledetailsnewline\faxsymbol~\@fax}%
6211     \ifthenelse{\isundefined{\@email}}{\}\{\}\maketitledetailsnewline\emailsymbol~\emailink{\@email}%
6212     \ifthenelse{\isundefined{\@extrainfo}}{\}\{\}\maketitledetailsnewline\@extrainfo}%
6213   \end{minipage}%
6214   % optional photo
6215   \ifthenelse{\isundefined{\@photo}}{\}\{\}%
6216     {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitledetailswidth]{\@photo}}}%
6217   % optional quote
6218   \ifthenelse{\isundefined{\@quote}}{\}\{\}%
6219     {\}%
6220     {\centering\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}\[2.5em]
6221   }
6222 }

```

## 7.45 dblfnote-xetex-bidi.def

```

6223 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for xetex]
6224 \let\autofootnoterule\relax
6225 \let\rightfootnoterule\relax
6226 \let\leftfootnoterule\relax
6227 \let\textwidthfootnoterule\relax
6228 \let\LRfootnoterule\relax
6229 \def\footnoterule{\kern-3\p@
6230   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
6231 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}

```



```

6232 \let\@footnotetext\dfn@footnotetext}
6233 \long\def\dfn@LTRfootnotetext#1{{\setbox\dfn@boxa\vbox{
6234     \let\insert\dfn@gobble
6235     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
6236     \def\@makefnmark{\smash{\dfn@makefnmark}}
6237     \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
6238     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
6239     \ifdim\dfn@dima>z@\else
6240         \dfn@dima\sp\relax
6241     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
6242     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
6243         \ifvoid\dfn@ins\else
6244             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
6245             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
6246     \setbox\dfn@boxa\copy\dfn@ins
6247     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6248     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
6249     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
6250     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
6251     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
6252 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
6253 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
6254 \long\def\dfn@RTLfootnotetext#1{{\setbox\dfn@boxa\vbox{
6255     \let\insert\dfn@gobble
6256     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
6257     \def\@makefnmark{\smash{\dfn@makefnmark}}
6258     \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
6259     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
6260     \ifdim\dfn@dima>z@\else
6261         \dfn@dima\sp\relax
6262     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
6263     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
6264         \ifvoid\dfn@ins\else
6265             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
6266             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
6267     \setbox\dfn@boxa\copy\dfn@ins
6268     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6269     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
6270     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
6271     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
6272     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
6273 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
6274 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
6275 \def\dfn@RTLmakecol{{\ifvoid\footins\else
6276     \dfn@dima\ht\footins
6277     \@tempcnta\z@ \dfn@countins
6278     \@tempdima\z@ \let\@elt\dfn@elt@getht
6279     \dfn@list\@nil
6280     \ifdim\@tempdima=\z@\else
6281         \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@

```



```

6282 \global\setbox\dfn@ins\box\dfn@ins
6283 \@tempwattrue
6284 \ifdfn@trysingle
6285 \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
6286 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
6287 \advance\@tempdima-\skip\footins
6288 \advance\@tempdima-\ht\dfn@boxa
6289 \ifdim\@tempdima<z@\else \@tempwafalse
6290 \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
6291 \footnoterule \unvbox\dfn@boxa}\fi\fi
6292 \if@tempswa
6293 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6294 \global\setbox\footins\vbox{\hbox{%
6295 \hskip \DFNcolumnwidth
6296 \hskip\DFNcolumnsep
6297 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
6298 \unvbox\dfn@boxb\vss}\hss}
6299 \hskip -\textwidth
6300 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
6301 \vbox to\@tempdima{
6302 \setbox\@tempboxa\vbox{\footnoterule}
6303 \ifdfn@ruleboth \unvbox\@tempboxa
6304 \else \@tempdima\ht\@tempboxa
6305 \advance\@tempdima\dp\@tempboxa
6306 \vskip\@tempdima
6307 \prevdepth\dp\@tempboxa \fi
6308 \unvbox\dfn@boxa\vss}\fi\hss}
6309 \hskip \DFNcolumnsep
6310 \hskip \DFNcolumnwidth}}\fi\fi
6311 \global\dfn@fnht\z@
6312 \ifx\dfn@list\@empty\else
6313 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
6314 \dfn@list \global\advance\dfn@fnht\dfn@dimb
6315 \let\@elt\relax
6316 \ifdim\dfn@dimb>\z@
6317 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
6318 \insert\footins{\floatingpenalty\@MM
6319 \vbox to\dfn@dimb{}}\fi
6320 \ifdim\dfn@fnht>\@tempdima
6321 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
6322 \global\dfn@fnht\@tempdima
6323 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
6324 \xdef\dfn@afteroutput{\insert\footins{
6325 \floatingpenalty\@MM
6326 \vbox to\number\@tempdimb sp{}}%
6327 \global\let\noexpand\dfn@afteroutput\relax}%
6328 \fi\fi
6329 \fi}%
6330 \let\footnoterule\relax \dfn@latex@makecol
6331 \let\footnoterule\dfn@footnoterule}

```



```

6332 \def\dfn@LTRmakecol{\ifvoid\footins\else
6333     \dfn@dima\ht\footins
6334     \@tempcnta\z@ \dfn@countins
6335     \@tempdima\z@ \let\@elt\dfn@elt@getht
6336     \dfn@list\@nil
6337     \ifdim\@tempdima=\z@\else
6338     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
6339     \global\setbox\dfn@ins\box\dfn@ins
6340     \@tempwattrue
6341     \ifdfn@trysingle
6342         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
6343         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
6344         \advance\@tempdima-\skip\footins
6345         \advance\@tempdima-\ht\dfn@boxa
6346         \ifdim\@tempdima<\z@\else \@tempswafalse
6347             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
6348                 \footnoterule \unvbox\dfn@boxa}\fi\fi
6349     \if@tempswa
6350     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6351     \global\setbox\footins\vbox{\hbox{%
6352         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
6353             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
6354         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
6355             \vbox to\@tempdima{
6356                 \setbox\@tempboxa\vbox{\footnoterule}
6357                 \ifdfn@ruleboth \unvbox\@tempboxa
6358                 \else \@tempdima\ht\@tempboxa
6359                 \advance\@tempdima\dp\@tempboxa
6360                 \vskip\@tempdima
6361                 \prevdepth\dp\@tempboxa \fi
6362                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
6363     \global\dfn@fnht\z@
6364     \ifx\dfn@list\@empty\else
6365         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
6366         \dfn@list \global\advance\dfn@fnht\dfn@dimb
6367         \let\@elt\relax
6368         \ifdim\dfn@dimb>\z@
6369             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
6370             \insert\footins{\floatingpenalty\@MM
6371                 \vbox to\dfn@dimb{}}\fi
6372         \ifdim\dfn@fnht>\@tempdima
6373             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
6374             \global\dfn@fnht\@tempdima
6375             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
6376             \xdef\dfn@afteroutput{\insert\footins{
6377                 \floatingpenalty\@MM
6378                 \vbox to\number\@tempdimb sp{}}}%
6379             \global\let\noexpand\dfn@afteroutput\relax}%
6380     \fi\fi
6381 \fi}%

```



```

6382      \let\footnoterule\relax \dfn@latex@makecol
6383      \let\footnoterule\dfn@footnoterule}
6384 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
6385 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
6386 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
6387 \DFNalwaysdouble

```

## 7.46 draftwatermark-xetex-bidi.def

```

6388 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermar
6389 \renewcommand\SetWatermarkText[1]{%
6390   \def\scwm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

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

```

6391 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for X
6392 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
6393   \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}
6394
6395 \ESO@isMEMOIR{%
6396   \renewcommand\AtTextUpperLeft[1]{%
6397     \begingroup
6398     \ifodd\c@page
6399       \@tempdima=\spinemargin
6400     \else
6401       \@tempdima=\paperwidth
6402       \advance\@tempdima-\textwidth
6403       \advance\@tempdima-\spinemargin
6404     \fi
6405     \@tempdimb=-\uppermargin
6406     \AtPageUpperLeft{%
6407       \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
6408     }%
6409   \endgroup
6410 }
6411 }{%
6412 \renewcommand\AtTextUpperLeft[1]{%
6413   \begingroup
6414   \@tempdima=1in\relax
6415   \ifodd\c@page
6416     \advance\@tempdima\oddsidemargin
6417   \else
6418     \advance\@tempdima\evensidemargin
6419   \fi
6420   \@tempdimb=-1in\relax
6421   \advance\@tempdimb-\topmargin
6422   \advance\@tempdimb-\headheight
6423   \advance\@tempdimb-\headsep
6424   \AtPageUpperLeft{%
6425     \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
6426   }%

```



```

6427 \endgroup
6428 }
6429 }

```

## 7.48 empheq-xetex-bidi.def

```

6430 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeT
6431 \MHInternalSyntaxOn
6432 \def\EQ_tag_plus_endmark:{%
6433 \iftagsleft@
6434 \gdef\maketag@@@##1{%
6435 \hfuzz\displaywidth
6436 \ifRTL\makebox[\widthof{##1}][r]{%
6437 \hbox to \displaywidth{\m@th\normalfont##1\hss
6438 \raisebox{-\dp\EQ_mathdisplay_box
6439 -\depthof\EQ_outerbox:{}}{
6440 {\PotEndMark{\hss}}}}
6441 \else\makebox[\widthof{##1}][l]{%
6442 \hbox to \displaywidth{\m@th\normalfont##1\hss
6443 \raisebox{-\dp\EQ_mathdisplay_box
6444 -\depthof\EQ_outerbox:{}}{
6445 {\PotEndMark{\hss}}}}\fi}%
6446 \else:
6447 \gdef\maketag@@@##1{%
6448 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
6449 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
6450 \MH_addtolength:dn \@tempdima
6451 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
6452 \setlength{\@tempdimb}
6453 {\g_EQ_bottomrow_depth_dim+\depthof\EQ_outerbox:{}}
6454 +\depthof\EQ_innerbox:{}}}}
6455 \if_dim:w \@tempdima>\@tempdimb
6456 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
6457 -\@tempdima+\g_EQ_bottomrow_depth_dim}
6458 \addtolength{\@tempdima}{\depthof\EQ_innerbox:{}}}%
6459 \def\EQ_next:{\raisebox{\@tempdima}}%
6460 \else:
6461 \def\EQ_next:{
6462 \raisebox{-\dp\EQ_mathdisplay_box
6463 -\depthof\EQ_outerbox:{}}}%
6464 \fi:\EQ_next:}}}%
6465 \fi:}
6466 \def\EQ_post_process:{%
6467 \EQ_initialize:
6468 \EQ_begin_equation:
6469 \MH_if_boolean:nT {outer_mult}{
6470 \setkeys{\MT_options_name:}{
6471 firstline-afterskip=0pt,
6472 lastline-preskip=0pt,
6473 multlined-width=0pt,

```





```

6474 }
6475 \ifodd \l_EQ_alignmentmode_int
6476   \setkeys{MT_options_name:}{multlined-pos=b}
6477 \else:
6478   \setkeys{MT_options_name:}{multlined-pos=t}
6479 \fi:
6480 \g@addto@macro\EQ_complete_mathdisplay:{
6481   \begin{MTmultlined}\relax}
6482 }
6483 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
6484 \MH_if_boolean:nT {outer_mult}{
6485   \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
6486 }
6487 \EQ_end_equation:
6488 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
6489 \savecounters@
6490 \EQ_typeset_tags:
6491 \edef\l_EQ_equation_fint{\number\c@equation}
6492 \restorecounters@
6493 \Hy@linkcounter=\EQ_hyperref_link_fint
6494 \settoheight\l_EQ_totalwidth_dim{%
6495   $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
6496 \MH_if_boolean:nTF {outer_mult}
6497   { \def\EQ_next:{_mult} }
6498   { \def\EQ_next:{} }
6499 \@nameuse{EQ_modify_linewidth_
6500   \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
6501 \EQ_typeset_display:
6502 \@nameuse{find_displaywidth_
6503   \romannumeral\l_EQ_equationtype_int\EQ_next: :}
6504 \MH_addtolength:dn
6505   \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
6506 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
6507   $\EQ_left_side:
6508   \EQ_innerbox:%
6509   \if_case:w \l_EQ_alignmentmode_int\or:
6510     \makebox[\l_EQ_displaywidth_dim][c]
6511     {\usebox{\EQ_mathdisplay_box}}}%
6512   \or:
6513     \makebox[\l_EQ_displaywidth_dim][c]
6514     {\usebox{\EQ_mathdisplay_box}}}%
6515   \or:
6516     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
6517       \if_num:w \l_EQ_equationtype_int=5 \else:
6518         \if_num:w \l_EQ_equationtype_int=6 \else:
6519           \kern-\@mathmargin
6520         \fi:
6521       \fi:
6522       \usebox{\EQ_mathdisplay_box}}}%
6523   \else\makebox[\l_EQ_displaywidth_dim][l]{%

```



```

6524         \if_num:w \l_EQ_equationtype_int=5 \else:
6525         \if_num:w \l_EQ_equationtype_int=6 \else:
6526         \kern-\@mathmargin
6527         \fi:
6528         \fi:
6529         \usebox{\EQ_mathdisplay_box}}\fi%
6530     \or:
6531     \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
6532     \if_num:w \l_EQ_equationtype_int=5 \else:
6533     \if_num:w \l_EQ_equationtype_int=6 \else:
6534     \kern-\@mathmargin
6535     \fi:
6536     \fi:
6537     \usebox{\EQ_mathdisplay_box}}
6538     \else\makebox[\l_EQ_displaywidth_dim][l]{%
6539     \if_num:w \l_EQ_equationtype_int=5 \else:
6540     \if_num:w \l_EQ_equationtype_int=6 \else:
6541     \kern-\@mathmargin
6542     \fi:
6543     \fi:
6544     \usebox{\EQ_mathdisplay_box}}\fi%
6545     \fi:}%
6546     \EQ_right_side:$}%
6547     \begin{AmSequation*}
6548     \@nameuse{EQ_place_display_
6549         \romannumeral\l_EQ_equationtype_int\EQ_next: :}
6550     \if_dim:w \g_EQ_widesttag_dim>\z@
6551     \MH_set_boolean_T:n {show_manual_tags}
6552     \if_case:w \l_EQ_alignmentmode_int
6553     \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
6554     \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
6555     \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
6556     \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
6557     \fi:
6558     \fi:
6559     \end{AmSequation*}
6560     \global\c@equation=\l_EQ_equation_fint\relax
6561 }
6562 \AtBeginDocument{%
6563     \ifpackageloaded{fancybox}{%
6564     \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
6565     {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
6566     \renewcommand*\shadowbox{%
6567     \@ifstar{\MH_set_boolean_T:n {shadowbox_star}
6568     \VerbBox\EQ_shadowbox:n}
6569     {\MH_set_boolean_F:n {shadowbox_star}
6570     \VerbBox\EQ_shadowbox:n}}
6571     \def\EQ_shadowbox:n #1{%
6572     \sbox{\z@}{\fbox{#1}}%
6573     \MH_if_boolean:nTF {shadowbox_star}{

```



```

6574      \MH_setlength:dn \@tempdima{\z@}%
6575    }{
6576      \MH_setlength:dn \@tempdima{\dp\z@+\shadowsize}%
6577    }
6578    \raisebox{\@tempdima}{%
6579      \if@RTL\makebox[\z@][r]{%
6580        \kern\shadowsize \textcolor{shadowcolor}{%
6581          \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
6582      }%
6583      \else\makebox[\z@][l]{%
6584        \kern\shadowsize \textcolor{shadowcolor}{%
6585          \rule[-\dp\z@-\shadowsize]{\wd\z@}{\shadowsize}}%
6586      }\fi%
6587      \usebox\z@\textcolor{shadowcolor}{%
6588        \rule[-\dp\z@-\shadowsize]{\shadowsize}{\ht\z@+\dp\z@}}}%
6589    }{}%
6590  }
6591  \MHInternalSyntaxOff

```

## 7.49 extarticle-xetex-bidi.def

```

6592 \ProvidesFile{extarticle-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for extarticle class f
6593 \renewcommand*\l@section[2]{%
6594   \ifnum \c@tocdepth >\z@
6595     \addpenalty\@secpenalty
6596     \addvspace{1.0em \@plus\p@}%
6597     \setlength\@tempdima{1.5em}%
6598     \begingroup
6599       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6600       \parfillskip -\@pnumwidth
6601       \leavevmode \bfseries
6602       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
6603       \hskip -\if@RTL\rightskip\else\leftskip\fi
6604       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6605     \endgroup
6606   \fi}
6607 \renewcommand*\l@part[2]{%
6608   \ifnum \c@tocdepth >-2\relax
6609     \addpenalty\@secpenalty
6610     \addvspace{2.25em \@plus\p@}%
6611     \begingroup
6612       \setlength\@tempdima{3em}%
6613       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6614       \parfillskip -\@pnumwidth
6615       {\leavevmode
6616         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6617       \nobreak
6618     \endgroup
6619   \fi}
6620 \def\part[#1]#2{%

```



```

6621 \ifnum \c@secnumdepth >\m@ne
6622 \refstepcounter{part}%
6623 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
6624 \else
6625 \addcontentsline{toc}{part}{#1}%
6626 \fi
6627 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6628 \interlinepenalty \M
6629 \normalfont
6630 \ifnum \c@secnumdepth >\m@ne
6631 \Large\bfseries \partname~\thepart
6632 \par\nobreak
6633 \fi
6634 \huge \bfseries #2%
6635 \markboth{}{}\par}%
6636 \nobreak
6637 \vskip 3ex
6638 \@afterheading}
6639 \def\@spart#1{%
6640 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6641 \interlinepenalty \M
6642 \normalfont
6643 \huge \bfseries #1\par}%
6644 \nobreak
6645 \vskip 3ex
6646 \@afterheading}
6647 \renewenvironment{thebibliography}[1]
6648 {\section*{\refname
6649 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
6650 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6651 \list{\@biblabel{\@arabic\c@enumiv}}%
6652 {\settowidth\labelwidth{\@biblabel{#1}}%
6653 \leftmargin\labelwidth
6654 \advance\leftmargin\labelsep
6655 \@openbib@code
6656 \usecounter{enumiv}%
6657 \let\p@enumiv\@empty
6658 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6659 \sloppy\clubpenalty4000\widowpenalty4000%
6660 \sfcode`.\@m}
6661 {\def\@noitemerr
6662 {\@latex@warning{Empty `thebibliography' environment}}%
6663 \endlist}
6664 \renewcommand\left@footnoterule{%
6665 \kern-3\p@
6666 \hrule\@width.4\columnwidth
6667 \kern2.6\p@}
6668 \renewcommand\right@footnoterule{%
6669 \hbox to \columnwidth
6670 {\beginR \vbox{%

```



```

6671 \kern-3\p@
6672 \hrule\@width.4\columnwidth
6673 \kern2.6\p@\hfil\endR}}
6674 \if@titlepage
6675 \renewcommand\maketitle{\begin{titlepage}%
6676 \let\footnotesize\small
6677 \let\right@footnoterule\relax
6678 \let\left@footnoterule\relax
6679 \let\textwidth\footnoterule\relax
6680 \let \footnote \thanks
6681 \null\vfil
6682 \vskip 60\p@
6683 \begin{center}%
6684 {\LARGE \@title \par}%
6685 \vskip 3em%
6686 {\large
6687 \lineskip .75em%
6688 \begin{tabular}[t]{c}%
6689 \@author
6690 \end{tabular}\par}%
6691 \vskip 1.5em%
6692 {\large \@date \par}% % Set date in \large size.
6693 \end{center}\par
6694 \@thanks
6695 \vfil\null
6696 \end{titlepage}%
6697 \setcounter{footnote}{0}%
6698 \global\let\thanks\relax
6699 \global\let\maketitle\relax
6700 \global\let\@thanks\@empty
6701 \global\let\@author\@empty
6702 \global\let\@date\@empty
6703 \global\let\@title\@empty
6704 \global\let\title\relax
6705 \global\let\author\relax
6706 \global\let\date\relax
6707 \global\let\and\relax
6708 }
6709 \else
6710 \renewcommand\maketitle{\par
6711 \begingroup
6712 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6713 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6714 \long\def\@makefntext##1{\parindent 1em\noindent
6715 \hb@xt@1.8em{%
6716 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6717 \if@twocolumn
6718 \ifnum \col@number=\@ne
6719 \@maketitle
6720 \else

```



```

6721      \twocolumn[\@maketitle]%
6722      \fi
6723    \else
6724      \newpage
6725      \global\@topnum\z@    % Prevents figures from going at top of page.
6726      \@maketitle
6727    \fi
6728    \thispagestyle{plain}\@thanks
6729  \endgroup
6730  \setcounter{footnote}{0}%
6731  \global\let\thanks\relax
6732  \global\let\maketitle\relax
6733  \global\let\@maketitle\relax
6734  \global\let\@thanks\@empty
6735  \global\let\@author\@empty
6736  \global\let\@date\@empty
6737  \global\let\@title\@empty
6738  \global\let\title\relax
6739  \global\let\author\relax
6740  \global\let\date\relax
6741  \global\let\and\relax
6742 }
6743 \def\@maketitle{%
6744   \newpage
6745   \null
6746   \vskip 2em%
6747   \begin{center}%
6748     \let \footnote \thanks
6749     {\LARGE \@title \par}%
6750     \vskip 1.5em%
6751     {\large
6752       \lineskip .5em%
6753       \begin{tabular}[t]{c}%
6754         \@author
6755       \end{tabular}\par}%
6756     \vskip 1em%
6757     {\large \@date}%
6758   \end{center}%
6759   \par
6760   \vskip 1.5em}
6761 \fi
6762 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6763 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6764 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6765 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

## 7.50 extbook-xetex-bidi.def

```

6766 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
6767   \if@titlepage

```



```

6768 \renewcommand\maketitle{\begin{titlepage}%
6769 \let\footnotesize\small
6770 \let\right@footnoterule\relax
6771 \let\left@footnoterule\relax
6772 \let\textwidth@footnoterule\relax
6773 \let \footnote \thanks
6774 \let \LTRfootnote \LTRthanks
6775 \let \RTLfootnote \RTLthanks
6776 \null\vfil
6777 \vskip 60\p@
6778 \begin{center}%
6779   {\LARGE \@title \par}%
6780   \vskip 3em%
6781   {\large
6782     \lineskip .75em%
6783     \begin{tabular}[t]{c}%
6784       \@author
6785     \end{tabular}\par}%
6786     \vskip 1.5em%
6787     {\large \@date \par}%           % Set date in \large size.
6788 \end{center}\par
6789 \@thanks
6790 \vfil\null
6791 \end{titlepage}%
6792 \setcounter{footnote}{0}%
6793 \global\let\thanks\relax
6794 \global\let\LTRthanks\relax
6795 \global\let\RTLthanks\relax
6796 \global\let\maketitle\relax
6797 \global\let\@thanks\@empty
6798 \global\let\@author\@empty
6799 \global\let\@date\@empty
6800 \global\let\@title\@empty
6801 \global\let\title\relax
6802 \global\let\author\relax
6803 \global\let\date\relax
6804 \global\let\and\relax
6805 }
6806 \else
6807 \renewcommand\maketitle{\par
6808   \begingroup
6809     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6810     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6811     \long\def\@makefntext##1{\parindent 1em\noindent
6812       \hb@xt@1.8em{%
6813         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6814     \if@twocolumn
6815       \ifnum \col@number=\@ne
6816         \@maketitle
6817       \else

```



```

6818         \twocolumn[\@maketitle]%
6819         \fi
6820     \else
6821         \newpage
6822         \global\@topnum\z@    % Prevents figures from going at top of page.
6823         \@maketitle
6824         \fi
6825         \thispagestyle{plain}\@thanks
6826     \endgroup
6827     \setcounter{footnote}{0}%
6828     \global\let\thanks\relax
6829     \global\let\LTRthanks\relax
6830     \global\let\RTLthanks\relax
6831     \global\let\maketitle\relax
6832     \global\let\@maketitle\relax
6833     \global\let\@thanks\@empty
6834     \global\let\@author\@empty
6835     \global\let\@date\@empty
6836     \global\let\@title\@empty
6837     \global\let\title\relax
6838     \global\let\author\relax
6839     \global\let\date\relax
6840     \global\let\and\relax
6841 }
6842 \def\@maketitle{%
6843     \newpage
6844     \null
6845     \vskip 2em%
6846     \begin{center}%
6847         \let \footnote \thanks
6848         \let \LTRfootnote \LTRthanks
6849         \let \RTLfootnote \RTLthanks
6850         {\LARGE \@title \par}%
6851         \vskip 1.5em%
6852         {\large
6853             \lineskip .5em%
6854             \begin{tabular}[t]{c}%
6855                 \@author
6856             \end{tabular}\par}%
6857         \vskip 1em%
6858         {\large \@date}%
6859     \end{center}%
6860     \par
6861     \vskip 1.5em}
6862 \fi
6863 \renewcommand*\l@part[2]{%
6864     \ifnum \c@tocdepth >-2\relax
6865         \addpenalty{-\@highpenalty}%
6866         \addvspace{2.25em \@plus\p@}%
6867         \begingroup

```





```

6868     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6869     \parfillskip -\@pnumwidth
6870     {\leavevmode
6871       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6872       \nobreak
6873       \global\@nobreaktrue
6874       \everypar{\global\@nobreakfalse\everypar{}}%
6875     \endgroup
6876   \fi}
6877 \renewcommand\theequation
6878   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6879 \renewcommand \thefigure
6880   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6881 \renewcommand \thetable
6882   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6883 \renewcommand \thechapter {\@arabic\c@chapter}
6884 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6885 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6886 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6887 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6888 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6889 \def\@makechapterhead#1{%
6890   \vspace*{50\p@}%
6891   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6892     \ifnum \c@secnumdepth >\m@ne
6893       \if@mainmatter
6894         \huge\bfseries \@chapapp\space \thechapter
6895         \par\nobreak
6896         \vskip 20\p@
6897       \fi
6898     \fi
6899     \interlinepenalty\@M
6900     \Huge \bfseries #1\par\nobreak
6901     \vskip 40\p@
6902   }}
6903
6904 \def\@makeschapterhead#1{%
6905   \vspace*{50\p@}%
6906   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6907     \normalfont
6908     \interlinepenalty\@M
6909     \Huge \bfseries #1\par\nobreak
6910     \vskip 40\p@
6911   }}
6912 \renewcommand\backmatter{%
6913   \if@openright
6914     \cleardoublepage
6915   \else
6916     \clearpage
6917   \fi

```



```

6918 \@mainmatterfalse}
6919 \renewenvironment{thebibliography}[1]
6920     {\chapter*{\bibname
6921         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
6922     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6923     \list{\@biblabel{\@arabic\c@enumiv}}%
6924         {\settowidth\labelwidth{\@biblabel{#1}}%
6925         \leftmargin\labelwidth
6926         \advance\leftmargin\labelsep
6927         \@openbib@code
6928         \usecounter{enumiv}%
6929         \let\p@enumiv\@empty
6930         \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6931     \sloppy
6932     \clubpenalty4000
6933     \@clubpenalty \clubpenalty
6934     \widowpenalty4000%
6935     \sfcode`..\@m}
6936     {\def\@noitemerr
6937         {\@latex@warning{Empty `thebibliography' environment}}}%
6938     \endlist}

```

## 7.51 extletter-xetex-bidi.def

```

6939 \ProvidesFile{extletter-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for extletter class for
6940 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
6941     \thispagestyle{firstpage}%
6942     {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
6943 \else % home address
6944     \thispagestyle{empty}%
6945     {\if@RTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
6946         \fromaddress \*[2\parskip]%
6947         \@date \end{tabular}\par}%
6948 \fi
6949 \vspace{2\parskip}%
6950 {\if@RTL\raggedleft\else\raggedright\fi \toname \[ \toaddress \par}%
6951 \vspace{2\parskip}%
6952 #1\par\nobreak}
6953 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
6954 \stopbreaks
6955 \noindent
6956 \ifx\@empty\fromaddress\else
6957 \hspace*{\longindentation}\fi
6958 \parbox{\indentedwidth}{\if@RTL\raggedleft\else\raggedright\fi
6959     \ignorespaces #1\*[6\medskipamount]%
6960     \ifx\@empty\fromsig
6961         \fromname
6962     \else \fromsig \fi\strut}%
6963 \par}
6964 \renewcommand\left@footnoterule{%

```



```

6965 \kern-\p@
6966 \hrule \@width .4\columnwidth
6967 \kern .6\p@}
6968 \renewcommand\right@footnoterule{%
6969 \hbox to \columnwidth
6970 {\beginR \vbox{%
6971 \kern-\p@
6972 \hrule \@width .4\columnwidth
6973 \kern .6\p@}\hfil\endR}}

```

## 7.52 extrafootnotefeatures-xetex-bidi.def

```

6974 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2012/12/12 v0.4 bidi extra footnote feature
6975 \let\autofootnoterule\relax
6976 \let\rightfootnoterule\relax
6977 \let\leftfootnoterule\relax
6978 \let\textwidthfootnoterule\relax
6979 \let\LRfootnoterule\relax
6980 \def\footnoterule{\kern-3\p@
6981 \hrule \@width \columnwidth \kern 2.6\p@}
6982 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
6983 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
6984 \renewcommand{\@footnotetext}[1]{%
6985 \insert\footins{%
6986 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
6987 \def\baselinestretch{\m@m@footnote@spacing}%
6988 \reset@font
6989 \foottextfont
6990 \@preamfntext
6991 \hsize\columnwidth
6992 \protected@edef\@currentlabel{%
6993 \csname p@footnote\endcsname\@thefnmark}%
6994 \color@begingroup
6995 \@makefntext{%
6996 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
6997 \@finalstrut\strutbox}%
6998 \color@endgroup}%
6999 \m@mmf@prepare}
7000 \renewcommand{\@RTLfootnotetext}[1]{%
7001 \insert\footins{%
7002 \@RTLtrue%
7003 \def\baselinestretch{\m@m@footnote@spacing}%
7004 \reset@font
7005 \RTLfoottextfont
7006 \@preamfntext
7007 \hsize\columnwidth
7008 \protected@edef\@currentlabel{%
7009 \csname p@footnote\endcsname\@thefnmark}%
7010 \color@begingroup
7011 \@makefntext{%

```



```

7012         \rule{z@footnotesep}{\RTLfoottextfont #1}%
7013         \@finalstrut\strutbox}%
7014     \color@endgroup}%
7015     \m@mmf@prepare}
7016 \renewcommand{\@LTRfootnotetext}[1]{%
7017     \insert\footins{%
7018         \@RTLfalse%
7019         \def\baselinestretch{\m@m@footnote@spacing}%
7020         \reset@font
7021         \LTRfoottextfont
7022         \@preamfntext
7023         \hsize\columnwidth
7024         \protected@edef\@currentlabel{%
7025             \csname p@footnote\endcsname\@thefnmark}%
7026         \color@begingroup
7027         \@makefntext{%
7028             \rule{z@footnotesep}{\LTRfoottextfont #1}%
7029             \@finalstrut\strutbox}%
7030         \color@endgroup}%
7031         \m@mmf@prepare}
7032 \renewcommand{\@mpfootnotetext}[1]{%
7033     \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7034         \unvbox\@mpfootins
7035         \def\baselinestretch{\m@m@footnote@spacing}%
7036         \foottextfont \hsize\columnwidth \@parboxrestore
7037         \protected@edef\@currentlabel{%
7038             \csname p@mpfootnote\endcsname\@thefnmark}%
7039         \color@begingroup
7040         \reset@font%
7041         \@makefntext{%
7042             \rule{z@footnotesep}{\foottextfont #1}%
7043             \@finalstrut\strutbox}%
7044         \color@endgroup}}
7045 \renewcommand{\@mpLTRfootnotetext}[1]{%
7046     \global\setbox\@mpfootins\vbox{\@RTLfalse%
7047         \unvbox\@mpfootins
7048         \def\baselinestretch{\m@m@footnote@spacing}%
7049         \LTRfoottextfont \hsize\columnwidth \@parboxrestore
7050         \protected@edef\@currentlabel{%
7051             \csname p@mpfootnote\endcsname\@thefnmark}%
7052         \color@begingroup
7053         \reset@font%
7054         \@makefntext{%
7055             \rule{z@footnotesep}{\LTRfoottextfont #1}%
7056             \@finalstrut\strutbox}%
7057         \color@endgroup}}
7058 \renewcommand{\@mpRTLfootnotetext}[1]{%
7059     \global\setbox\@mpfootins\vbox{\@RTLtrue%
7060         \unvbox\@mpfootins
7061         \def\baselinestretch{\m@m@footnote@spacing}%

```



```

7062 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
7063 \protected@edef\@currentlabel{%
7064 \csname p@mpfootnote\endcsname\@thefnmark}%
7065 \color@begingroup
7066 \reset@font%
7067 \makefnintext{%
7068 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
7069 \@finalstrut\strutbox}%
7070 \color@endgroup}}
7071 \let\m@mold@footnotetext\@footnotetext
7072 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
7073 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
7074 \let\m@mold@mpfootnotetext\@mpfootnotetext
7075 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
7076 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
7077 \bidi@ensure@newcommand{\normalfootnotes}{%
7078 \let\@footnotetext\m@mold@footnotetext
7079 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
7080 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
7081 \let\@mpfootnotetext\m@mold@mpfootnotetext
7082 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
7083 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
7084 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
7085 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestruer}
7086 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
7087 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
7088 \def\m@m@singlespace{#1}%
7089 \def\m@m@footnote@spacing{#1}%
7090 \def\m@m@float@spacing{#1} %
7091 }
7092 \setSingleSpace{1}
7093 \newinsert\sideins
7094 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
7095 \bidi@ensure@newcommand*{\m@m@mmf@prepare}{%
7096 \kern-\multiplefootnotemarker
7097 \kern\multiplefootnotemarker\relax}
7098 \bidi@ensure@newlength{\footmarkwidth}
7099 \bidi@ensure@newlength{\footmarksep}
7100 \bidi@ensure@newlength{\footparindent}
7101 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
7102 \bidi@ensure@newcommand{\footfootmark}{%
7103 \ifdim\footmarkwidth < \z@
7104 \llap{\hb@xt@-\footmarkwidth{%
7105 \hss\normalfont\footscript{\@thefnmark}}}%
7106 \hspace*{-\footmarkwidth}}%
7107 \else
7108 \ifdim\footmarkwidth = \z@
7109 {\normalfont\footscript{\@thefnmark}}%
7110 \else
7111 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%

```



```

7112 \fi
7113 \fi}
7114 \footmarkstyle{\textsuperscript{#1}}
7115 \setlength{\footmarkwidth}{1.8em}
7116 \setlength{\footparindent}{1em}
7117 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
7118 \bidi@ensure@newcommand*{\extrafeetins}{%
7119 \setbox\@outputbox \vbox{%
7120 \boxmaxdepth \@maxdepth
7121 \unvbox\@outputbox
7122 \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
7123 \extrafeetinshook}}
7124 \bidi@ensure@newcommand{\extrafeetinshook}{%
7125 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
7126 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
7127 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
7128 \bidi@ensure@newlength{\footinsdim}
7129 \setlength{\footinsdim}{8in} % standard for \dimen\footins
7130 \bidi@ensure@newcommand{\@preamfntext}{%
7131 \interlinepenalty\interfootnotelinepenalty
7132 \floatingpenalty \@MM
7133 \splittopskip=\footnotesep
7134 \splitmaxdepth=\dp\strutbox
7135 \@parboxrestore}
7136 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
7137 \extrafeetminihook}
7138 \bidi@ensure@newcommand{\extrafeetendmini}{%
7139 \ifvoid\@mpfootinsv@r\else
7140 \vskip\skip\@mpfootins
7141 \normalcolor\footnoterule\mp@footgroupv@r
7142 \fi
7143 \extrafeetendminihook}
7144 \bidi@ensure@newcommand{\extrafeetendminihook}{%
7145 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
7146 \def\endminipage{%
7147 \par
7148 \unskip
7149 \ifvoid\@mpfootins\else
7150 \vskip\skip\@mpfootins
7151 \normalcolor
7152 \footnoterule
7153 \unvbox\@mpfootins
7154 \fi
7155 \m@mdoextrafeetendmini
7156 \@minipagefalse
7157 \color@endgroup
7158 \egroup
7159 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
7160 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
7161 \@namedef{\footstart#1}{%

```



```

7162 \vskip\bigskipamount
7163 \leftskip=\z@
7164 \rightskip=\z@
7165 \footnoterule}}
7166 \newinsert\footinsv@r
7167 \skip\footinsv@r\bigskipamount
7168 \count\footinsv@r=1000 % no magnification
7169 \dimen\footinsv@r=\footinsdim
7170 \make@footstart{v@r}
7171 \bidi@ensure@newcommand{\@footgroupv@r}{}
7172 \newinsert\@mpfootinsv@r
7173 \bidi@ensure@newcommand{\mp@footgroupv@r}{}
7174 \newcount\m@m@k \newdimen\m@m@h
7175 \ifpackageloaded{multicol}{%
7176 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
7177 \hsize\textwidth
7178 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7179 \valign{##}\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
7180 }{%
7181 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
7182 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7183 \valign{##}\vfill\cr\m@mdosplits}\if@RTLcolumnfootnotes\endR\fi}}
7184 \bidi@ensure@newcommand*{\m@mdosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@msplitoff
7185 \global\advance\m@m@k-1\cr\m@mdosplits\fi}
7186 \bidi@ensure@newcommand*{\m@msplitoff}{\dimen0=\ht0
7187 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
7188 \setbox2 \vsplit0 to \dimen0
7189 \unvbox2 }
7190 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
7191 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7192 \let\@footnotetext\@twocolfootnotetext
7193 \let\@LTRfootnotetext\@twocolLTRfootnotetext
7194 \let\@RTLfootnotetext\@twocolRTLfootnotetext
7195 \dimen\footinsv@r=2\footinsdim
7196 \count\footinsv@r=500\relax
7197 \make@twocol@footgroup{v@r}%
7198 \let\@footgroupv@r\@twocol@footgroupv@r
7199 \let\@mpfootnotetext\@mptwocolfootnotetext
7200 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
7201 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
7202 \make@mptwocol@footgroup{v@r}%
7203 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
7204 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
7205 \def\baselinestretch{\m@m@footnote@spacing}%
7206 \reset@font\foottextfont
7207 \@preamfntext
7208 \protected@edef\@currentlabel{%
7209 \csname p@footnote\endcsname\@thefnmark}%
7210 \color@begingroup
7211 \@twocolfootfmt{#1}%

```



```

7212 \color@endgroup}%
7213 \m@mmf@prepare}
7214 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
7215 \def\baselinestretch{\m@m@footnote@spacing}%
7216 \reset@font\LTRfoottextfont
7217 \@preamfntext
7218 \protected@edef\@currentlabel{%
7219 \csname p@footnote\endcsname\@thefnmark}%
7220 \color@begingroup
7221 \@twocolLTRfootfmt{#1}%
7222 \color@endgroup}%
7223 \m@mmf@prepare}
7224 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7225 \def\baselinestretch{\m@m@footnote@spacing}%
7226 \reset@font\RTLfoottextfont
7227 \@preamfntext
7228 \protected@edef\@currentlabel{%
7229 \csname p@footnote\endcsname\@thefnmark}%
7230 \color@begingroup
7231 \@twocolRTLfootfmt{#1}%
7232 \color@endgroup}%
7233 \m@mmf@prepare}
7234 \bidi@ensure@newcommand{\@preamtwofmt}{%
7235 \hsize .45\hsize
7236 \parindent=\z@
7237 \tolerance=5000\relax
7238 \leavevmode}
7239 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
7240 \@preamtwofmt
7241 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7242 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
7243 \@preamtwofmt
7244 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7245 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
7246 \@preamtwofmt
7247 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7248 \bidi@ensure@newcommand{\@emptwocolfootnotetext}[1]{%
7249 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7250 \unvbox\@mpfootinsv@r
7251 \def\baselinestretch{\m@m@footnote@spacing}%
7252 \reset@font\foottextfont
7253 \hsize\columnwidth \@parboxrestore
7254 \protected@edef\@currentlabel{%
7255 \csname p@mpfootnote\endcsname\@thefnmark}%
7256 \color@begingroup
7257 \@twocolfootfmt{#1}%
7258 \color@endgroup}%
7259 \m@mmf@prepare}
7260 \bidi@ensure@newcommand{\@emptwocolLTRfootnotetext}[1]{%
7261 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%

```





```

7262 \unvbox\@mpfootinsv@r
7263 \def\baselinestretch{\m@m@footnote@spacing}%
7264 \reset@font\LTRfoottextfont
7265 \hsize\columnwidth \@parboxrestore
7266 \if@RTLcolumnfootnotes\beginL\fi
7267 \protected@edef\@currentlabel{%
7268   \csname p@mpfootnote\endcsname\@thefnmark}%
7269 \color@begingroup
7270 \@twocolLTRfootfmt{#1}%
7271 \color@endgroup}%
7272 \m@mmf@prepare}
7273 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
7274 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
7275 \unvbox\@mpfootinsv@r
7276 \def\baselinestretch{\m@m@footnote@spacing}%
7277 \reset@font\RTLfoottextfont
7278 \hsize\columnwidth \@parboxrestore
7279 \protected@edef\@currentlabel{%
7280   \csname p@mpfootnote\endcsname\@thefnmark}%
7281 \color@begingroup
7282 \@twocolRTLfootfmt{#1}%
7283 \color@endgroup}%
7284 \m@mmf@prepare}
7285 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
7286 \m@make@twocolfootnotetext{#1}%
7287 \m@make@mptwocolfootnotetext{#1}%
7288 \m@make@twocolfootfmt{#1}%
7289 \m@make@twocol@footgroup{#1}%
7290 \m@make@mptwocol@footgroup{#1}%
7291 \m@make@footstart{#1}%
7292 \bidi@namelongdef{\footnotetext#1}##1{%
7293   \@nameuse{\@twocolfootnotetext#1}{##1}}%
7294 \bidi@namelongdef{\mpfootnotetext#1}##1{%
7295   \@nameuse{\@mptwocolfootnotetext#1}{##1}}%
7296 \@namedef{\@footgroup#1}{\@nameuse{\@twocol@footgroup#1}}%
7297 \@namedef{\mp@footgroup#1}{\@nameuse{\@mptwocol@footgroup#1}}%
7298 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
7299 \expandafter\count\csname footins#1\endcsname=500\relax}
7300 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
7301 \bidi@namelongdef{\@twocolfootnotetext#1}##1{%
7302   \insert\@nameuse{\footins#1}{%
7303     \def\baselinestretch{\m@m@footnote@spacing}%
7304     \reset@font\@nameuse{\foottextfont#1}%
7305     \@preamfntext
7306     \protected@edef\@currentlabel{%
7307       \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
7308     \color@begingroup
7309     \@nameuse{\@twocolfootfmt#1}{##1}%
7310     \color@endgroup}%
7311     \m@mmf@prepare}}

```



```

7312 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
7313 \bidi@namelongdef{@mptwocolfootnotetext#1}##1{%
7314 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
7315 \unvbox\@nameuse{@mpfootins#1}
7316 \def\baselinestretch{\m@m@footnote@spacing}%
7317 \reset@font\@nameuse{foottextfont#1}%
7318 \hsize\columnwidth \@parboxrestore
7319 \protected@edef\@currentlabel{%
7320 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
7321 \color@begingroup
7322 \@nameuse{@twocolfootfmt#1}{##1}%
7323 \color@endgroup}\m@mmf@prepare}}
7324 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
7325 \@namedef{@twocolfootfmt#1}##1{%
7326 \@preamtwofmt
7327 {\@nameuse{footfootmark#1}\strut
7328 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
7329 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
7330 \@namedef{@twocol@footgroup#1}{%
7331 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7332 \m@mrigidbodybalance{\@nameuse{footins#1}}{\tw@}{\splittopskip}}}}
7333 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
7334 \@namedef{@mptwocol@footgroup#1}{%
7335 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7336 \m@mrigidbodybalance{\@nameuse{@mpfootins#1}}{\tw@}{\splittopskip}}}}
7337 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
7338 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7339 \let\@footnotetext\@threecolfootnotetext
7340 \let\@LTRfootnotetext\@threecolLTRfootnotetext
7341 \let\@RTLfootnotetext\@threecolRTLfootnotetext
7342 \dimen\footinsv@r=3\footinsdim
7343 \count\footinsv@r=333\relax
7344 \m@make@threecol@footgroup{v@r}%
7345 \let\@footgroupv@r\@threecol@footgroupv@r
7346 \let\@mpfootnotetext\@mpthreecolfootnotetext
7347 \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
7348 \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
7349 \m@make@mpthreecol@footgroup{v@r}%
7350 \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
7351 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
7352 \def\baselinestretch{\m@m@footnote@spacing}%
7353 \reset@font\foottextfont
7354 \@preamfntext
7355 \protected@edef\@currentlabel{%
7356 \csname p@footnote\endcsname\@thefnmark}%
7357 \color@begingroup
7358 \@threecolfootfmt{#1}%
7359 \color@endgroup}\m@mmf@prepare}}
7360 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
7361 \def\baselinestretch{\m@m@footnote@spacing}%

```



```

7362 \reset@font\LTRfoottextfont
7363 \@preamfntext
7364 \protected@edef\@currentlabel{%
7365   \csname p@footnote\endcsname\@thefnmark}%
7366 \color@begingroup
7367   \@threecolLTRfootfmt{#1}%
7368 \color@endgroup}\m@mmf@prepare}
7369 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7370   \def\baselinestretch{\m@m@footnote@spacing}%
7371   \reset@font\RTLfoottextfont
7372   \@preamfntext
7373   \protected@edef\@currentlabel{%
7374     \csname p@footnote\endcsname\@thefnmark}%
7375   \color@begingroup
7376     \@threecolRTLfootfmt{#1}%
7377   \color@endgroup}\m@mmf@prepare}
7378 \bidi@ensure@newcommand{\@preamthreefmt}{%
7379   \hsize .3\hsize
7380   \parindent=\z@
7381   \tolerance=5000\relax
7382   \leavevmode}
7383 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
7384   \@preamthreefmt
7385   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7386 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
7387   \@preamthreefmt
7388   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7389 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
7390   \@preamthreefmt
7391   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7392 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
7393   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7394     \unvbox\@mpfootinsv@r
7395     \def\baselinestretch{\m@m@footnote@spacing}%
7396     \reset@font\foottextfont
7397     \hsize\columnwidth \@parboxrestore
7398     \protected@edef\@currentlabel{%
7399       \csname p@mpfootnote\endcsname\@thefnmark}%
7400   \color@begingroup
7401     \@threecolfootfmt{#1}%
7402   \color@endgroup}\m@mmf@prepare}
7403 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
7404   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
7405     \unvbox\@mpfootinsv@r
7406     \def\baselinestretch{\m@m@footnote@spacing}%
7407     \reset@font\LTRfoottextfont
7408     \hsize\columnwidth \@parboxrestore
7409     \if@RTLcolumnfootnotes\beginL\fi
7410     \protected@edef\@currentlabel{%
7411       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

7412 \color@begingroup
7413   \@threecolLTRfootfmt{#1}%
7414 \color@endgroup}\m@mmf@prepare}
7415 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
7416 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
7417   \unvbox\@mpfootinsv@r
7418   \def\baselinestretch{\m@m@footnote@spacing}%
7419   \reset@font\RTLfoottextfont
7420   \hsize\columnwidth \@parboxrestore
7421   \protected@edef\@currentlabel{%
7422     \csname p@mpfootnote\endcsname\@thefnmark}%
7423 \color@begingroup
7424   \@threecolRTLfootfmt{#1}%
7425 \color@endgroup}\m@mmf@prepare}
7426 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
7427 \m@make@threecolfootnotetext{#1}%
7428 \m@make@mpthreecolfootnotetext{#1}%
7429 \m@make@threecolfootfmt{#1}%
7430 \m@make@threecol@footgroup{#1}%
7431 \m@make@mpthreecol@footgroup{#1}%
7432 \m@make@footstart{#1}%
7433 \bidi@namelongdef{\@footnotetext#1}##1{%
7434   \@nameuse{\@threecolfootnotetext#1}##1}%
7435 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
7436   \@nameuse{\@mpthreecolfootnotetext#1}##1}%
7437 \@namedef{\@footgroup#1}{\@nameuse{\@threecol@footgroup#1}}%
7438 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpthreecol@footgroup#1}}%
7439 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
7440 \expandafter\count\csname footins#1\endcsname=333\relax}
7441 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
7442 \bidi@namelongdef{\@threecolfootnotetext#1}##1{%
7443   \insert\@nameuse{\footins#1}{%
7444     \def\baselinestretch{\m@m@footnote@spacing}%
7445     \reset@font\@nameuse{\foottextfont#1}%
7446     \@preamfntext
7447     \protected@edef\@currentlabel{%
7448       \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
7449 \color@begingroup
7450   \@nameuse{\@threecolfootfmt#1}##1}%
7451 \color@endgroup}\m@mmf@prepare}}
7452 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
7453 \bidi@namelongdef{\@mpthreecolfootnotetext#1}##1{%
7454 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
7455   \unvbox\@nameuse{\@mpfootins#1}
7456   \def\baselinestretch{\m@m@footnote@spacing}%
7457   \reset@font\@nameuse{\foottextfont#1}%
7458   \hsize\columnwidth \@parboxrestore
7459   \protected@edef\@currentlabel{%
7460     \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
7461 \color@begingroup

```



```

7462 \nameuse{@threecolfootfmt#1}{##1}%
7463 \color@endgroup}\m@mmf@prepare}}
7464 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
7465 \bidi@namelongdef{@threecolfootfmt#1}##1{%
7466 \preamthreefmt
7467 {\@nameuse{footfootmark#1}\strut
7468 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
7469 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
7470 \namedef{@threecol@footgroup#1}{%
7471 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7472 \m@mrigidbalance{\@nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
7473 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
7474 \namedef{@mpthreecol@footgroup#1}{%
7475 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7476 \m@mrigidbalance{\@nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
7477 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
7478 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
7479 \let\@footnotetext\@fourcolfootnotetext
7480 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
7481 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
7482 \dimen\footinsv@r=4\footinsdim
7483 \count\footinsv@r=250\relax
7484 \m@make@fourcol@footgroup{v@r}%
7485 \let\@footgroupv@r\@fourcol@footgroupv@r
7486 \let\@mpfootnotetext\@mpfourcolfootnotetext
7487 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
7488 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
7489 \m@make@mpfourcol@footgroup{v@r}%
7490 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
7491 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
7492 \def\baselinestretch{\m@m@footnote@spacing}%
7493 \reset@font\foottextfont
7494 \@preamfntext
7495 \protected@edef\@currentlabel{%
7496 \csname p@footnote\endcsname\@thefnmark}%
7497 \color@begingroup
7498 \@fourcolfootfmt{#1}%
7499 \color@endgroup}%
7500 \m@mmf@prepare}
7501 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
7502 \def\baselinestretch{\m@m@footnote@spacing}%
7503 \reset@font\LTRfoottextfont
7504 \@preamfntext
7505 \protected@edef\@currentlabel{%
7506 \csname p@footnote\endcsname\@thefnmark}%
7507 \color@begingroup
7508 \@fourcolLTRfootfmt{#1}%
7509 \color@endgroup}%
7510 \m@mmf@prepare}
7511 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%

```



```

7512 \def\baselinestretch{\m@m@footnote@spacing}%
7513 \reset@font\RTLfoottextfont
7514 \@preamfntext
7515 \protected@edef\@currentlabel{%
7516   \csname p@footnote\endcsname\@thefnmark}%
7517 \color@begingroup
7518   \@fourcolRTLfootfmt{#1}%
7519 \color@endgroup}%
7520 \m@mmf@prepare}
7521 \bidi@ensure@newcommand{\@preamfourfmt}{%
7522   \hsize .25\hsize
7523   \parindent=\z@
7524   \tolerance=5000\relax
7525   \leavevmode}
7526 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
7527   \@preamfourfmt
7528   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7529 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
7530   \@preamfourfmt
7531   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7532 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
7533   \@preamfourfmt
7534   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7535 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
7536   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7537     \unvbox\@mpfootinsv@r
7538     \def\baselinestretch{\m@m@footnote@spacing}%
7539     \reset@font\foottextfont
7540     \hsize\columnwidth \@parboxrestore
7541     \protected@edef\@currentlabel{%
7542       \csname p@mpfootnote\endcsname\@thefnmark}%
7543     \color@begingroup
7544       \@fourcolfootfmt{#1}%
7545     \color@endgroup}%
7546     \m@mmf@prepare}
7547 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
7548   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
7549     \unvbox\@mpfootinsv@r
7550     \def\baselinestretch{\m@m@footnote@spacing}%
7551     \reset@font\LTRfoottextfont
7552     \hsize\columnwidth \@parboxrestore
7553     \if@RTLcolumnfootnotes\beginL\fi
7554     \protected@edef\@currentlabel{%
7555       \csname p@mpfootnote\endcsname\@thefnmark}%
7556     \color@begingroup
7557       \@fourcolLTRfootfmt{#1}%
7558     \color@endgroup}%
7559     \m@mmf@prepare}
7560 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
7561   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%

```



```

7562 \unvbox\@mpfootinsv@r
7563 \def\baselinestretch{\m@m@footnote@spacing}%
7564 \reset@font\RTLfoottextfont
7565 \hsize\columnwidth \@parboxrestore
7566 \protected@edef\@currentlabel{%
7567 \csname p@mpfootnote\endcsname\@thefnmark}%
7568 \color@begingroup
7569 \@fourcolRTLfootfmt{#1}%
7570 \color@endgroup}%
7571 \m@mmf@prepare}
7572 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
7573 \m@make@fourcolfootnotetext{#1}%
7574 \m@make@mpfourcolfootnotetext{#1}%
7575 \m@make@fourcolfootfmt{#1}%
7576 \m@make@fourcol@footgroup{#1}%
7577 \m@make@mpfourcol@footgroup{#1}%
7578 \m@make@footstart{#1}%
7579 \bidi@namelongdef{\@footnotetext#1}##1{%
7580 \@nameuse{\@fourcolfootnotetext#1}##1}%
7581 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
7582 \@nameuse{\@mpfourcolfootnotetext#1}##1}%
7583 \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%
7584 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfourcol@footgroup#1}}%
7585 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
7586 \expandafter\count\csname footins#1\endcsname=500\relax}
7587 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
7588 \bidi@namelongdef{\@fourcolfootnotetext#1}##1{%
7589 \insert\@nameuse{footins#1}{%
7590 \def\baselinestretch{\m@m@footnote@spacing}%
7591 \reset@font\@nameuse{foottextfont#1}%
7592 \@preamfntext
7593 \protected@edef\@currentlabel{%
7594 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
7595 \color@begingroup
7596 \@nameuse{\@fourcolfootfmt#1}##1}%
7597 \color@endgroup}%
7598 \m@mmf@prepare}}
7599 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
7600 \bidi@namelongdef{\@mpfourcolfootnotetext#1}##1{%
7601 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
7602 \unvbox\@nameuse{\@mpfootins#1}
7603 \def\baselinestretch{\m@m@footnote@spacing}%
7604 \reset@font\@nameuse{foottextfont#1}%
7605 \hsize\columnwidth \@parboxrestore
7606 \protected@edef\@currentlabel{%
7607 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
7608 \color@begingroup
7609 \@nameuse{\@fourcolfootfmt#1}##1}%
7610 \color@endgroup}\m@mmf@prepare}}
7611 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%

```



```

7612 \@namedef{@fourcolfootfmt#1}##1{%
7613     \@preamfourfmt
7614     {\@nameuse{footfootmark#1}\strut
7615      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
7616 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
7617     \@namedef{@fourcol@footgroup#1}{%
7618         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7619         \m@rigrigidbodybalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
7620 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
7621     \@namedef{@mpfourcol@footgroup#1}{%
7622         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7623         \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}}
7624 \bidi@ensure@newcommand{\fivecolumnfootnotes}{%
7625     \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7626     \let\@footnotetext\@fivecolfootnotetext
7627     \let\@LTRfootnotetext\@fivecolLTRfootnotetext
7628     \let\@RTLfootnotetext\@fivecolRTLfootnotetext
7629     \dimen\footinsv@r=5\footinsdim
7630     \count\footinsv@r=200\relax
7631     \m@make@fivecol@footgroup{v@r}%
7632     \let\@footgroupv@r\@fivecol@footgroupv@r
7633     \let\@mpfootnotetext\@mpfivecolfootnotetext
7634     \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
7635     \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
7636     \m@make@mpfivecol@footgroup{v@r}%
7637     \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
7638 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
7639     \def\baselinestretch{\m@m@footnote@spacing}%
7640     \reset@font\foottextfont
7641     \@preamfntext
7642     \protected@edef\@currentlabel{%
7643         \csname p@footnote\endcsname\@thefnmark}%
7644     \color@begingroup
7645         \@fivecolfootfmt{#1}%
7646     \color@endgroup}%
7647     \m@mmf@prepare}
7648 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
7649     \def\baselinestretch{\m@m@footnote@spacing}%
7650     \reset@font\LTRfoottextfont
7651     \@preamfntext
7652     \protected@edef\@currentlabel{%
7653         \csname p@footnote\endcsname\@thefnmark}%
7654     \color@begingroup
7655         \@fivecolLTRfootfmt{#1}%
7656     \color@endgroup}%
7657     \m@mmf@prepare}
7658 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7659     \def\baselinestretch{\m@m@footnote@spacing}%
7660     \reset@font\RTLfoottextfont
7661     \@preamfntext

```





```

7662 \protected@edef\@currentlabel{%
7663   \csname p@footnote\endcsname\@thefnmark}%
7664   \color@begingroup
7665   \@fivecolRTLfootfmt{#1}%
7666   \color@endgroup}%
7667   \m@mmf@prepare}
7668 \bidi@ensure@newcommand{\@preamfivefmt}{%
7669   \hspace{.2\hspace}
7670   \parindent=\z@
7671   \tolerance=5000\relax
7672   \leavevmode}
7673 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
7674   \@preamfivefmt
7675   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7676 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
7677   \@preamfivefmt
7678   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7679 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
7680   \@preamfivefmt
7681   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7682 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
7683   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7684     \unvbox\@mpfootinsv@r
7685     \def\baselinestretch{\m@m@footnote@spacing}%
7686     \reset@font\foottextfont
7687     \hspace\columnwidth \@parboxrestore
7688     \protected@edef\@currentlabel{%
7689       \csname p@mpfootnote\endcsname\@thefnmark}%
7690     \color@begingroup
7691     \@fivecolfootfmt{#1}%
7692     \color@endgroup}%
7693     \m@mmf@prepare}
7694 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
7695   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
7696     \unvbox\@mpfootinsv@r
7697     \def\baselinestretch{\m@m@footnote@spacing}%
7698     \reset@font\LTRfoottextfont
7699     \hspace\columnwidth \@parboxrestore
7700     \if@RTLcolumnfootnotes\beginL\fi
7701     \protected@edef\@currentlabel{%
7702       \csname p@mpfootnote\endcsname\@thefnmark}%
7703     \color@begingroup
7704     \@fivecolLTRfootfmt{#1}%
7705     \color@endgroup}%
7706     \m@mmf@prepare}
7707 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
7708   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
7709     \unvbox\@mpfootinsv@r
7710     \def\baselinestretch{\m@m@footnote@spacing}%
7711     \reset@font\RTLfoottextfont

```



```

7712 \hsize\columnwidth \@parboxrestore
7713 \protected@edef\@currentlabel{%
7714 \csname p@mpfootnote\endcsname\@thefnmark}%
7715 \color@begingroup
7716 \@fivecolRTLfootfmt{#1}%
7717 \color@endgroup}%
7718 \m@mmf@prepare}
7719 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
7720 \m@make@fivecolfootnotetext{#1}%
7721 \m@make@mpfivecolfootnotetext{#1}%
7722 \m@make@fivecolfootfmt{#1}%
7723 \m@make@fivecol@footgroup{#1}%
7724 \m@make@mpfivecol@footgroup{#1}%
7725 \m@make@footstart{#1}%
7726 \bidi@namelongdef{\footnotetext#1}##1{%
7727 \@nameuse{\@fivecolfootnotetext#1}{##1}}%
7728 \bidi@namelongdef{\mpfootnotetext#1}##1{%
7729 \@nameuse{\@mpfivecolfootnotetext#1}{##1}}%
7730 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
7731 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfivecol@footgroup#1}}%
7732 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
7733 \expandafter\count\csname footins#1\endcsname=500\relax}
7734 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
7735 \bidi@namelongdef{\@fivecolfootnotetext#1}##1{%
7736 \insert\@nameuse{footins#1}{%
7737 \def\baselinestretch{\m@m@footnote@spacing}%
7738 \reset@font\@nameuse{foottextfont#1}%
7739 \@preamfntext
7740 \protected@edef\@currentlabel{%
7741 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
7742 \color@begingroup
7743 \@nameuse{\@fivecolfootfmt#1}{##1}%
7744 \color@endgroup}%
7745 \m@mmf@prepare}}
7746 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
7747 \bidi@namelongdef{\@mpfivecolfootnotetext#1}##1{%
7748 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
7749 \unvbox\@nameuse{\mpfootins#1}
7750 \def\baselinestretch{\m@m@footnote@spacing}%
7751 \reset@font\@nameuse{foottextfont#1}%
7752 \hsize\columnwidth \@parboxrestore
7753 \protected@edef\@currentlabel{%
7754 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
7755 \color@begingroup
7756 \@nameuse{\@fivecolfootfmt#1}{##1}%
7757 \color@endgroup}\m@mmf@prepare}}
7758 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
7759 \@namedef{\@fivecolfootfmt#1}##1{%
7760 \@preamfivefmt
7761 {\@nameuse{footfootmark#1}}\strut

```



```

7762      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
7763 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
7764   \@namedef{\@fivecol@footgroup#1}{%
7765     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7766     \m@rigrigidbodybalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
7767 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
7768   \@namedef{\@mpfivecol@footgroup#1}{%
7769     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7770     \m@rigrigidbodybalance{\@nameuse{\@mpfootins#1}}{5}{\splittopskip}}}}
7771 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
7772   \@namedef{\foottextfontv@r}{\foottextfont}% % [RS]
7773   \let\@footnotetext\@sixcolfootnotetext
7774   \let\@LTRfootnotetext\@sixcolLTRfootnotetext
7775   \let\@RTLfootnotetext\@sixcolRTLfootnotetext
7776   \dimen\footinsv@r=6\footinsdim
7777   \count\footinsv@r=166\relax
7778   \m@make@sixcol@footgroup{v@r}%
7779   \let\@footgroupv@r\@sixcol@footgroupv@r
7780   \let\@mpfootnotetext\@mpsixcolfootnotetext
7781   \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
7782   \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
7783   \m@make@mpsixcol@footgroup{v@r}%
7784   \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
7785 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
7786   \def\baselinestretch{\m@m@footnote@spacing}%
7787   \reset@font\foottextfont
7788   \@preamfntext
7789   \protected@edef\@currentlabel{%
7790     \csname p@footnote\endcsname\@thefnmark}%
7791   \color@begingroup
7792     \@sixcolfootfmt{#1}%
7793   \color@endgroup}%
7794   \m@mmf@prepare}
7795 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
7796   \def\baselinestretch{\m@m@footnote@spacing}%
7797   \reset@font\LTRfoottextfont
7798   \@preamfntext
7799   \protected@edef\@currentlabel{%
7800     \csname p@footnote\endcsname\@thefnmark}%
7801   \color@begingroup
7802     \@sixcolLTRfootfmt{#1}%
7803   \color@endgroup}%
7804   \m@mmf@prepare}
7805 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7806   \def\baselinestretch{\m@m@footnote@spacing}%
7807   \reset@font\RTLfoottextfont
7808   \@preamfntext
7809   \protected@edef\@currentlabel{%
7810     \csname p@footnote\endcsname\@thefnmark}%
7811   \color@begingroup

```



```

7812 \sixcolRTLfootfmt{#1}%
7813 \color@endgroup}%
7814 \m@mmf@prepare}
7815 \bidi@ensure@newcommand{\@preamsixfmt}{%
7816 \hsize .16\hsize
7817 \parindent=\z@
7818 \tolerance=5000\relax
7819 \leavevmode}
7820 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
7821 \@preamsixfmt
7822 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7823 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
7824 \@preamsixfmt
7825 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7826 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
7827 \@preamsixfmt
7828 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7829 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse}%
7830 \global\setbox\@mpfootinsv@r\vbox{%
7831 \unvbox\@mpfootinsv@r
7832 \def\baselinestretch{\m@m@footnote@spacing}%
7833 \reset@font\foottextfont
7834 \hsize\columnwidth \@parboxrestore
7835 \protected@edef\@currentlabel{%
7836 \csname p@mpfootnote\endcsname\@thefnmark}%
7837 \color@begingroup
7838 \sixcolfootfmt{#1}%
7839 \color@endgroup}%
7840 \m@mmf@prepare}
7841 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse}%
7842 \global\setbox\@mpfootinsv@r\vbox{%
7843 \unvbox\@mpfootinsv@r
7844 \def\baselinestretch{\m@m@footnote@spacing}%
7845 \reset@font\LTRfoottextfont
7846 \hsize\columnwidth \@parboxrestore
7847 \if@RTLcolumnfootnotes\beginL\fi
7848 \protected@edef\@currentlabel{%
7849 \csname p@mpfootnote\endcsname\@thefnmark}%
7850 \color@begingroup
7851 \sixcolLTRfootfmt{#1}%
7852 \color@endgroup}%
7853 \m@mmf@prepare}
7854 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue}%
7855 \global\setbox\@mpfootinsv@r\vbox{%
7856 \unvbox\@mpfootinsv@r
7857 \def\baselinestretch{\m@m@footnote@spacing}%
7858 \reset@font\RTLfoottextfont
7859 \hsize\columnwidth \@parboxrestore
7860 \protected@edef\@currentlabel{%
7861 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

7862 \color@begingroup
7863   \@sixcolRTLfootfmt{#1}%
7864 \color@endgroup}%
7865 \m@mmf@prepare}
7866 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
7867   \m@make@sixcolfootnotetext{#1}%
7868   \m@make@mpsixcolfootnotetext{#1}%
7869   \m@make@sixcolfootfmt{#1}%
7870   \m@make@sixcol@footgroup{#1}%
7871   \m@make@mpsixcol@footgroup{#1}%
7872   \m@make@footstart{#1}%
7873   \bidi@namelongdef{\footnotetext#1}##1{%
7874     \@nameuse{@sixcolfootnotetext#1}{##1}}%
7875   \bidi@namelongdef{\mpfootnotetext#1}##1{%
7876     \@nameuse{@mpsixcolfootnotetext#1}{##1}}%
7877   \@namedef{\footgroup#1}{\@nameuse{@sixcol@footgroup#1}}%
7878   \@namedef{\mp@footgroup#1}{\@nameuse{@mpsixcol@footgroup#1}}%
7879   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
7880   \expandafter\count\csname footins#1\endcsname=500\relax}
7881 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
7882   \bidi@namelongdef{@sixcolfootnotetext#1}##1{%
7883     \insert\@nameuse{footins#1}{%
7884       \def\baselinestretch{\m@m@footnote@spacing}%
7885       \reset@font\@nameuse{foottextfont#1}%
7886       \@preamfntext
7887       \protected@edef\@currentlabel{%
7888         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
7889       \color@begingroup
7890         \@nameuse{@sixcolfootfmt#1}{##1}%
7891       \color@endgroup}%
7892       \m@mmf@prepare}}
7893 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
7894   \bidi@namelongdef{@mpsixcolfootnotetext#1}##1{%
7895     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
7896       \unvbox\@nameuse{@mpfootins#1}
7897       \def\baselinestretch{\m@m@footnote@spacing}%
7898       \reset@font\@nameuse{foottextfont#1}%
7899       \hsize\columnwidth \@parboxrestore
7900       \protected@edef\@currentlabel{%
7901         \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
7902       \color@begingroup
7903         \@nameuse{@sixcolfootfmt#1}{##1}%
7904       \color@endgroup}\m@mmf@prepare}}
7905 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
7906   \@namedef{@sixcolfootfmt#1}##1{%
7907     \@preamsixfmt
7908     {\@nameuse{footfootmark#1}\strut
7909      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
7910 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
7911   \@namedef{@sixcol@footgroup#1}{%

```



```

7912 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7913 \m@rigrigidbodybalance{\nameuse{footins#1}}{6}{\splittopskip}}}}
7914 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
7915 \namedef{@mpsixcol@footgroup#1}{%
7916 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7917 \m@rigrigidbodybalance{\nameuse{mpfootins#1}}{6}{\splittopskip}}}}
7918 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
7919 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
7920 \let\@footnotetext\@sevendcolfootnotetext
7921 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
7922 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
7923 \dimen\footinsv@r=7\footinsdim
7924 \count\footinsv@r=142\relax
7925 \m@make@sevendcol@footgroup{v@r}%
7926 \let\@footgroupv@r\@sevendcol@footgroupv@r
7927 \let\@mpfootnotetext\@mpsevendcolfootnotetext
7928 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
7929 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
7930 \m@make@mpsevendcol@footgroup{v@r}%
7931 \let\@mp@footgroupv@r\@mpsevendcol@footgroupv@r}
7932 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
7933 \def\baselinestretch{\m@mm@footnote@spacing}%
7934 \reset@font\foottextfont
7935 \@preamfntext
7936 \protected@edef\@currentlabel{%
7937 \csname p@footnote\endcsname\@thefnmark}%
7938 \color@begingroup
7939 \@sevendcolfootfmt{#1}%
7940 \color@endgroup}%
7941 \m@mmf@prepare}
7942 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
7943 \def\baselinestretch{\m@mm@footnote@spacing}%
7944 \reset@font\LTRfoottextfont
7945 \@preamfntext
7946 \protected@edef\@currentlabel{%
7947 \csname p@footnote\endcsname\@thefnmark}%
7948 \color@begingroup
7949 \@sevendcolLTRfootfmt{#1}%
7950 \color@endgroup}%
7951 \m@mmf@prepare}
7952 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7953 \def\baselinestretch{\m@mm@footnote@spacing}%
7954 \reset@font\RTLfoottextfont
7955 \@preamfntext
7956 \protected@edef\@currentlabel{%
7957 \csname p@footnote\endcsname\@thefnmark}%
7958 \color@begingroup
7959 \@sevendcolRTLfootfmt{#1}%
7960 \color@endgroup}%
7961 \m@mmf@prepare}

```



```

7962 \bidi@ensure@newcommand{\@preamsevenfmt}{%
7963   \hsize .142\hsize
7964   \parindent=\z@
7965   \tolerance=5000\relax
7966   \leavevmode}
7967 \bidi@ensure@newcommand{\@sevencolfootfmt}[1]{%
7968   \@preamsevenfmt
7969   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7970 \bidi@ensure@newcommand{\@sevencolLTRfootfmt}[1]{%
7971   \@preamsevenfmt
7972   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7973 \bidi@ensure@newcommand{\@sevencolRTLfootfmt}[1]{%
7974   \@preamsevenfmt
7975   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7976 \bidi@ensure@newcommand{\@mpsevencolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
7977   \global\setbox\@mpfootinsv@r\vbox{%
7978     \unvbox\@mpfootinsv@r
7979     \def\baselinestretch{\m@m@footnote@spacing}%
7980     \reset@font\foottextfont
7981     \hsize\columnwidth \@parboxrestore
7982     \protected@edef\@currentlabel{%
7983       \csname p@mpfootnote\endcsname\@thefnmark}%
7984     \color@begingroup
7985       \@sevencolfootfmt{#1}%
7986     \color@endgroup}%
7987   \m@mmf@prepare}
7988 \bidi@ensure@newcommand{\@mpsevencolLTRfootnotetext}[1]{\@RTLfalse%
7989   \global\setbox\@mpfootinsv@r\vbox{%
7990     \unvbox\@mpfootinsv@r
7991     \def\baselinestretch{\m@m@footnote@spacing}%
7992     \reset@font\LTRfoottextfont
7993     \hsize\columnwidth \@parboxrestore
7994     \if@RTLcolumnfootnotes\beginL\fi
7995     \protected@edef\@currentlabel{%
7996       \csname p@mpfootnote\endcsname\@thefnmark}%
7997     \color@begingroup
7998       \@sevencolLTRfootfmt{#1}%
7999     \color@endgroup}%
8000   \m@mmf@prepare}
8001 \bidi@ensure@newcommand{\@mpsevencolRTLfootnotetext}[1]{\@RTLtrue%
8002   \global\setbox\@mpfootinsv@r\vbox{%
8003     \unvbox\@mpfootinsv@r
8004     \def\baselinestretch{\m@m@footnote@spacing}%
8005     \reset@font\RTLfoottextfont
8006     \hsize\columnwidth \@parboxrestore
8007     \protected@edef\@currentlabel{%
8008       \csname p@mpfootnote\endcsname\@thefnmark}%
8009     \color@begingroup
8010       \@sevencolRTLfootfmt{#1}%
8011     \color@endgroup}%

```



```

8012 \m@mmf@prepare}
8013 \bidi@ensure@newcommand{\sevendcolumnfootstyle}[1]{%
8014 \m@make@sevendcolfootnotetext{#1}%
8015 \m@make@mpsevendcolfootnotetext{#1}%
8016 \m@make@sevendcolfootfmt{#1}%
8017 \m@make@sevendcol@footgroup{#1}%
8018 \m@make@mpsevendcol@footgroup{#1}%
8019 \m@make@footstart{#1}%
8020 \bidi@namelongdef{@footnotetext#1}##1{%
8021 \@nameuse{@sevendcolfootnotetext#1}{##1}}%
8022 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8023 \@nameuse{@mpsevendcolfootnotetext#1}{##1}}%
8024 \@namedef{@footgroup#1}{\@nameuse{@sevendcol@footgroup#1}}%
8025 \@namedef{mp@footgroup#1}{\@nameuse{@mpsevendcol@footgroup#1}}%
8026 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8027 \expandafter\count\csname footins#1\endcsname=500\relax}
8028 \bidi@ensure@newcommand{\m@make@sevendcolfootnotetext}[1]{%
8029 \bidi@namelongdef{@sevendcolfootnotetext#1}##1{%
8030 \insert\@nameuse{footins#1}{%
8031 \def\baselinestretch{\m@m@footnote@spacing}%
8032 \reset@font\@nameuse{foottextfont#1}%
8033 \@preamfntext
8034 \protected@edef\@currentlabel{%
8035 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8036 \color@begingroup
8037 \@nameuse{@sevendcolfootfmt#1}{##1}%
8038 \color@endgroup}%
8039 \m@mmf@prepare}}
8040 \bidi@ensure@newcommand{\m@make@mpsevendcolfootnotetext}[1]{%
8041 \bidi@namelongdef{@mpsevendcolfootnotetext#1}##1{%
8042 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8043 \unvbox\@nameuse{@mpfootins#1}
8044 \def\baselinestretch{\m@m@footnote@spacing}%
8045 \reset@font\@nameuse{foottextfont#1}%
8046 \hsize\columnwidth \@parboxrestore
8047 \protected@edef\@currentlabel{%
8048 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8049 \color@begingroup
8050 \@nameuse{@sevendcolfootfmt#1}{##1}%
8051 \color@endgroup}\m@mmf@prepare}}
8052 \bidi@ensure@newcommand{\m@make@sevendcolfootfmt}[1]{%
8053 \@namedef{@sevendcolfootfmt#1}##1{%
8054 \@preamsevenfmt
8055 {\@nameuse{footfootmark#1}\strut
8056 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8057 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
8058 \@namedef{@sevendcol@footgroup#1}{%
8059 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8060 \m@mrigidbalance{\@nameuse{footins#1}}{7}{\splittopskip}}}%
8061 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%

```





```

8062 \@namedef{@mpsevenscol@footgroup#1}{%
8063   \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8064   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}%
8065 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
8066   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8067   \let\@footnotetext\@eightcolfootnotetext
8068   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
8069   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
8070   \dimen\footinsv@r=8\footinsdim
8071   \count\footinsv@r=125\relax
8072   \m@make@eightcol@footgroup{v@r}%
8073   \let\@footgroupv@r\@eightcol@footgroupv@r
8074   \let\@mpfootnotetext\@mpeightcolfootnotetext
8075   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
8076   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
8077   \m@make@mpeightcol@footgroup{v@r}%
8078   \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
8079 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtr
8080   \def\baselinestretch{\m@m@footnote@spacing}%
8081   \reset@font\foottextfont
8082   \@preamfntext
8083   \protected@edef\@currentlabel{%
8084     \csname p@footnote\endcsname\@thefnmark}%
8085   \color@begingroup
8086     \@eightcolfootfmt{#1}%
8087   \color@endgroup}%
8088   \m@mmf@prepare}
8089 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnot
8090   \def\baselinestretch{\m@m@footnote@spacing}%
8091   \reset@font\LTRfoottextfont
8092   \@preamfntext
8093   \protected@edef\@currentlabel{%
8094     \csname p@footnote\endcsname\@thefnmark}%
8095   \color@begingroup
8096     \@eightcolLTRfootfmt{#1}%
8097   \color@endgroup}%
8098   \m@mmf@prepare}
8099 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8100   \def\baselinestretch{\m@m@footnote@spacing}%
8101   \reset@font\RTLfoottextfont
8102   \@preamfntext
8103   \protected@edef\@currentlabel{%
8104     \csname p@footnote\endcsname\@thefnmark}%
8105   \color@begingroup
8106     \@eightcolRTLfootfmt{#1}%
8107   \color@endgroup}%
8108   \m@mmf@prepare}
8109 \bidi@ensure@newcommand{\@preameightfmt}{%
8110   \hsize .125\hsize
8111   \parindent=\z@

```



```

8112 \tolerance=5000\relax
8113 \leavevmode}
8114 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
8115 \@preameightfmt
8116 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8117 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
8118 \@preameightfmt
8119 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8120 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
8121 \@preameightfmt
8122 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8123 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
8124 \global\setbox\@mpfootinsv\@r\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8125 \unvbox\@mpfootinsv\@r
8126 \def\baselinestretch{\m@m@footnote@spacing}%
8127 \reset@font\foottextfont
8128 \hsize\columnwidth \@parboxrestore
8129 \protected@edef\@currentlabel{%
8130 \csname p@mpfootnote\endcsname\@thefnmark}%
8131 \color@begingroup
8132 \@eightcolfootfmt{#1}%
8133 \color@endgroup}%
8134 \m@mmf@prepare}
8135 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
8136 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLfalse%
8137 \unvbox\@mpfootinsv\@r
8138 \def\baselinestretch{\m@m@footnote@spacing}%
8139 \reset@font\LTRfoottextfont
8140 \hsize\columnwidth \@parboxrestore
8141 \if@RTLcolumnfootnotes\beginL\fi
8142 \protected@edef\@currentlabel{%
8143 \csname p@mpfootnote\endcsname\@thefnmark}%
8144 \color@begingroup
8145 \@eightcolLTRfootfmt{#1}%
8146 \color@endgroup}%
8147 \m@mmf@prepare}
8148 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
8149 \global\setbox\@mpfootinsv\@r\@vbox{\@RTLtrue%
8150 \unvbox\@mpfootinsv\@r
8151 \def\baselinestretch{\m@m@footnote@spacing}%
8152 \reset@font\RTLfoottextfont
8153 \hsize\columnwidth \@parboxrestore
8154 \protected@edef\@currentlabel{%
8155 \csname p@mpfootnote\endcsname\@thefnmark}%
8156 \color@begingroup
8157 \@eightcolRTLfootfmt{#1}%
8158 \color@endgroup}%
8159 \m@mmf@prepare}
8160 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
8161 \m@make@eightcolfootnotetext{#1}%

```



```

8162 \m@make@mpeightcolfootnotetext{#1}%
8163 \m@make@eightcolfootfmt{#1}%
8164 \m@make@eightcol@footgroup{#1}%
8165 \m@make@mpeightcol@footgroup{#1}%
8166 \m@make@footstart{#1}%
8167 \bidi@namelongdef{@footnotetext#1}##1{%
8168   \@nameuse{@eightcolfootnotetext#1}{##1}}%
8169 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8170   \@nameuse{@mpeightcolfootnotetext#1}{##1}}%
8171 \@namedef{@footgroup#1}{\@nameuse{@eightcol@footgroup#1}}%
8172 \@namedef{mp@footgroup#1}{\@nameuse{@mpeightcol@footgroup#1}}%
8173 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8174 \expandafter\count\csname footins#1\endcsname=500\relax}
8175 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
8176   \bidi@namelongdef{@eightcolfootnotetext#1}##1{%
8177     \insert\@nameuse{footins#1}{%
8178       \def\baselinestretch{\m@m@footnote@spacing}%
8179       \reset@font\@nameuse{foottextfont#1}%
8180       \@preamfntext
8181       \protected@edef\@currentlabel{%
8182         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8183       \color@begingroup
8184         \@nameuse{@eightcolfootfmt#1}{##1}%
8185       \color@endgroup}%
8186     \m@m@mmf@prepare}}
8187 \bidi@ensure@newcommand{\m@make@mpeightcolfootnotetext}[1]{%
8188   \bidi@namelongdef{@mpeightcolfootnotetext#1}##1{%
8189     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8190       \unvbox\@nameuse{@mpfootins#1}
8191       \def\baselinestretch{\m@m@footnote@spacing}%
8192       \reset@font\@nameuse{foottextfont#1}%
8193       \hsize\columnwidth \@parboxrestore
8194       \protected@edef\@currentlabel{%
8195         \csname p@mpfootnote#1\endcsname \@nameuse{@thefnmark#1}}%
8196       \color@begingroup
8197         \@nameuse{@eightcolfootfmt#1}{##1}%
8198       \color@endgroup}\m@m@mmf@prepare}}
8199 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
8200   \@namedef{@eightcolfootfmt#1}##1{%
8201     \@preameightfmt
8202     {\@nameuse{footfootmark#1}\strut
8203      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8204 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
8205   \@namedef{@eightcol@footgroup#1}{%
8206     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8207     \m@m@r@rigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}}
8208 \bidi@ensure@newcommand{\m@make@mpeightcol@footgroup}[1]{%
8209   \@namedef{@mpeightcol@footgroup#1}{%
8210     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8211     \m@m@r@rigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}}

```



```

8212 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
8213   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8214   \let\@footnotetext\@ninecolfootnotetext
8215   \let\@LTRfootnotetext\@ninecolLTRfootnotetext
8216   \let\@RTLfootnotetext\@ninecolRTLfootnotetext
8217   \dimen\footinsv@r=9\footinsdim
8218   \count\footinsv@r=111\relax
8219   \m@make@ninecol@footgroup{v@r}%
8220   \let\@footgroupv@r\@ninecol@footgroupv@r
8221   \let\@mpfootnotetext\@mpninecolfootnotetext
8222   \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
8223   \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
8224   \m@make@mpninecol@footgroup{v@r}%
8225   \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
8226 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8227   \def\baselinestretch{\m@mm@footnote@spacing}%
8228   \reset@font\foottextfont
8229   \@preamfntext
8230   \protected@edef\@currentlabel{%
8231     \csname p@footnote\endcsname\@thefnmark}%
8232   \color@begingroup
8233     \@ninecolfootfmt{#1}%
8234   \color@endgroup}%
8235   \m@mmf@prepare}
8236 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote%
8237   \def\baselinestretch{\m@mm@footnote@spacing}%
8238   \reset@font\LTRfoottextfont
8239   \@preamfntext
8240   \protected@edef\@currentlabel{%
8241     \csname p@footnote\endcsname\@thefnmark}%
8242   \color@begingroup
8243     \@ninecolLTRfootfmt{#1}%
8244   \color@endgroup}%
8245   \m@mmf@prepare}
8246 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8247   \def\baselinestretch{\m@mm@footnote@spacing}%
8248   \reset@font\RTLfoottextfont
8249   \@preamfntext
8250   \protected@edef\@currentlabel{%
8251     \csname p@footnote\endcsname\@thefnmark}%
8252   \color@begingroup
8253     \@ninecolRTLfootfmt{#1}%
8254   \color@endgroup}%
8255   \m@mmf@prepare}
8256 \bidi@ensure@newcommand{\@preamninefmt}{%
8257   \hsize .1\hsize
8258   \parindent=\z@
8259   \tolerance=5000\relax
8260   \leavevmode}
8261 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%

```



```

8262 \@preamninefmt
8263 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8264 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
8265 \@preamninefmt
8266 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8267 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
8268 \@preamninefmt
8269 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8270 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
8271 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8272 \unvbox\@mpfootinsv@r
8273 \def\baselinestretch{\m@m@footnote@spacing}%
8274 \reset@font\foottextfont
8275 \hsize\columnwidth \@parboxrestore
8276 \protected@edef\@currentlabel{%
8277 \csname p@mpfootnote\endcsname\@thefnmark}%
8278 \color@begingroup
8279 \@ninecolfootfmt{#1}%
8280 \color@endgroup}%
8281 \m@mmf@prepare}
8282 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
8283 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8284 \unvbox\@mpfootinsv@r
8285 \def\baselinestretch{\m@m@footnote@spacing}%
8286 \reset@font\LTRfoottextfont
8287 \hsize\columnwidth \@parboxrestore
8288 \if@RTLcolumnfootnotes\beginL\fi
8289 \protected@edef\@currentlabel{%
8290 \csname p@mpfootnote\endcsname\@thefnmark}%
8291 \color@begingroup
8292 \@ninecolLTRfootfmt{#1}%
8293 \color@endgroup}%
8294 \m@mmf@prepare}
8295 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
8296 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8297 \unvbox\@mpfootinsv@r
8298 \def\baselinestretch{\m@m@footnote@spacing}%
8299 \reset@font\RTLfoottextfont
8300 \hsize\columnwidth \@parboxrestore
8301 \protected@edef\@currentlabel{%
8302 \csname p@mpfootnote\endcsname\@thefnmark}%
8303 \color@begingroup
8304 \@ninecolRTLfootfmt{#1}%
8305 \color@endgroup}%
8306 \m@mmf@prepare}
8307 \bidi@ensure@newcommand{\ninecolumnfootstyle}[1]{%
8308 \m@make@ninecolfootnotetext{#1}%
8309 \m@make@mpninecolfootnotetext{#1}%
8310 \m@make@ninecolfootfmt{#1}%
8311 \m@make@ninecol@footgroup{#1}%

```



```

8312 \m@make@mpninecol@footgroup{#1}%
8313 \m@make@footstart{#1}%
8314 \bidi@namelongdef{@footnotetext#1}##1{%
8315   \@nameuse{@ninecolfootnotetext#1}{##1}}%
8316 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8317   \@nameuse{@mpninecolfootnotetext#1}{##1}}%
8318 \@namedef{@footgroup#1}{\@nameuse{@ninecol@footgroup#1}}%
8319 \@namedef{mp@footgroup#1}{\@nameuse{@mpninecol@footgroup#1}}%
8320 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8321 \expandafter\count\csname footins#1\endcsname=500\relax}
8322 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
8323   \bidi@namelongdef{@ninecolfootnotetext#1}##1{%
8324     \insert\@nameuse{footins#1}{%
8325       \def\baselinestretch{\m@m@footnote@spacing}%
8326       \reset@font\@nameuse{foottextfont#1}%
8327       \@preamfntext
8328       \protected@edef\@currentlabel{%
8329         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8330       \color@begingroup
8331       \@nameuse{@ninecolfootfmt#1}{##1}%
8332       \color@endgroup}%
8333       \m@mmf@prepare}}
8334 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
8335   \bidi@namelongdef{@mpninecolfootnotetext#1}##1{%
8336     \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8337       \unvbox\@nameuse{@mpfootins#1}
8338       \def\baselinestretch{\m@m@footnote@spacing}%
8339       \reset@font\@nameuse{foottextfont#1}%
8340       \hsize\columnwidth \@parboxrestore
8341       \protected@edef\@currentlabel{%
8342         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8343       \color@begingroup
8344       \@nameuse{@ninecolfootfmt#1}{##1}%
8345       \color@endgroup}\m@mmf@prepare}}
8346 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
8347   \@namedef{@ninecolfootfmt#1}##1{%
8348     \preamninefmt
8349     {\@nameuse{footfootmark#1}\strut
8350      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8351 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
8352   \@namedef{@ninecol@footgroup#1}{%
8353     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8354     \m@mrigidbodybalance{\@nameuse{footins#1}}{9}{\splittopskip}}}}
8355 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
8356   \@namedef{@mpninecol@footgroup#1}{%
8357     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8358     \m@mrigidbodybalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}}
8359 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
8360   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8361   \let\@footnotetext\@tencolfootnotetext

```



```

8362 \let\@LTRfootnotetext\@tencolLTRfootnotetext
8363 \let\@RTLfootnotetext\@tencolRTLfootnotetext
8364 \dimen\footinsv@r=10\footinsdim
8365 \count\footinsv@r=100\relax
8366 \m@make@tencol@footgroup{v@r}%
8367 \let\@footgroupv@r\@tencol@footgroupv@r
8368 \let\@mpfootnotetext\@mptencolfootnotetext
8369 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
8370 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
8371 \m@make@mptencol@footgroup{v@r}%
8372 \let\mp@footgroupv@r\@mptencol@footgroupv@r
8373 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8374 \def\baselinestretch{\m@m@footnote@spacing}%
8375 \reset@font\foottextfont
8376 \@preamfntext
8377 \protected@edef\@currentlabel{%
8378 \csname p@footnote\endcsname\@thefnmark}%
8379 \color@begingroup
8380 \@tencolfootfmt{#1}%
8381 \color@endgroup}%
8382 \m@mmf@prepare}
8383 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8384 \def\baselinestretch{\m@m@footnote@spacing}%
8385 \reset@font\LTRfoottextfont
8386 \@preamfntext
8387 \protected@edef\@currentlabel{%
8388 \csname p@footnote\endcsname\@thefnmark}%
8389 \color@begingroup
8390 \@tencolLTRfootfmt{#1}%
8391 \color@endgroup}%
8392 \m@mmf@prepare}
8393 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8394 \def\baselinestretch{\m@m@footnote@spacing}%
8395 \reset@font\RTLfoottextfont
8396 \@preamfntext
8397 \protected@edef\@currentlabel{%
8398 \csname p@footnote\endcsname\@thefnmark}%
8399 \color@begingroup
8400 \@tencolRTLfootfmt{#1}%
8401 \color@endgroup}%
8402 \m@mmf@prepare}
8403 \bidi@ensure@newcommand{\@preamtenfmt}{%
8404 \hsize .1\hsize
8405 \parindent=\z@
8406 \tolerance=5000\relax
8407 \leavevmode}
8408 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
8409 \@preamtenfmt
8410 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8411 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%

```



```

8412 \@preamtenfmt
8413 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8414 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
8415 \@preamtenfmt
8416 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8417 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
8418 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8419 \unvbox\@mpfootinsv@r
8420 \def\baselinestretch{\m@m@footnote@spacing}%
8421 \reset@font\foottextfont
8422 \hsize\columnwidth \@parboxrestore
8423 \protected@edef\@currentlabel{%
8424 \csname p@mpfootnote\endcsname\@thefnmark}%
8425 \color@begingroup
8426 \@tencolfootfmt{#1}%
8427 \color@endgroup}%
8428 \m@mmf@prepare}
8429 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
8430 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8431 \unvbox\@mpfootinsv@r
8432 \def\baselinestretch{\m@m@footnote@spacing}%
8433 \reset@font\LTRfoottextfont
8434 \hsize\columnwidth \@parboxrestore
8435 \if@RTLcolumnfootnotes\beginL\fi
8436 \protected@edef\@currentlabel{%
8437 \csname p@mpfootnote\endcsname\@thefnmark}%
8438 \color@begingroup
8439 \@tencolLTRfootfmt{#1}%
8440 \color@endgroup}%
8441 \m@mmf@prepare}
8442 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
8443 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8444 \unvbox\@mpfootinsv@r
8445 \def\baselinestretch{\m@m@footnote@spacing}%
8446 \reset@font\RTLfoottextfont
8447 \hsize\columnwidth \@parboxrestore
8448 \protected@edef\@currentlabel{%
8449 \csname p@mpfootnote\endcsname\@thefnmark}%
8450 \color@begingroup
8451 \@tencolRTLfootfmt{#1}%
8452 \color@endgroup}%
8453 \m@mmf@prepare}
8454 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
8455 \m@make@tencolfootnotetext{#1}%
8456 \m@make@mptencolfootnotetext{#1}%
8457 \m@make@tencolfootfmt{#1}%
8458 \m@make@tencol@footgroup{#1}%
8459 \m@make@mptencol@footgroup{#1}%
8460 \m@make@footstart{#1}%
8461 \bidi@namelongdef{\footnotetext#1}##1{%

```





```

8462 \nameuse{@tencolfootnotetext#1}{##1}}%
8463 \bidi@namelongdef{@mpfootnotetext#1}{##1}{%
8464 \nameuse{@mptencolfootnotetext#1}{##1}}%
8465 \@namedef{@footgroup#1}{\nameuse{@tencol@footgroup#1}}%
8466 \@namedef{@mp@footgroup#1}{\nameuse{@mptencol@footgroup#1}}%
8467 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8468 \expandafter\count\csname footins#1\endcsname=500\relax}
8469 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
8470 \bidi@namelongdef{@tencolfootnotetext#1}{##1}{%
8471 \insert\nameuse{footins#1}{%
8472 \def\baselinestretch{\m@m@footnote@spacing}%
8473 \reset@font\nameuse{foottextfont#1}%
8474 \@preamfntext
8475 \protected@edef\@currentlabel{%
8476 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
8477 \color@begingroup
8478 \nameuse{@tencolfootfmt#1}{##1}%
8479 \color@endgroup}%
8480 \m@m@prepare}}
8481 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
8482 \bidi@namelongdef{@mptencolfootnotetext#1}{##1}{%
8483 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8484 \unvbox\nameuse{@mpfootins#1}
8485 \def\baselinestretch{\m@m@footnote@spacing}%
8486 \reset@font\nameuse{foottextfont#1}%
8487 \hsize\columnwidth \parboxrestore
8488 \protected@edef\@currentlabel{%
8489 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8490 \color@begingroup
8491 \nameuse{@tencolfootfmt#1}{##1}%
8492 \color@endgroup}\m@m@prepare}}
8493 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
8494 \@namedef{@tencolfootfmt#1}{##1}{%
8495 \@preamtenfmt
8496 {\nameuse{footfootmark#1}\strut
8497 {\nameuse{foottextfont#1}{##1}\strut\par}\allowbreak}}
8498 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
8499 \@namedef{@tencol@footgroup#1}{%
8500 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8501 \m@r@rigidbalance{\nameuse{footins#1}}{10}{\splittopskip}}}%
8502 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
8503 \@namedef{@mptencol@footgroup#1}{%
8504 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8505 \m@r@rigidbalance{\nameuse{@mpfootins#1}}{10}{\splittopskip}}}%
8506 \bidi@ensure@newcommand{\m@munvxh}[1]{%
8507 \setbox0=\vbox{\unvbox#1%
8508 \global\setbox1=\lastbox}%
8509 \unhbox1
8510 \unskip
8511 \unskip

```



```

8512 \unpenalty
8513 \hskip\m@mipn@skip}
8514 \bidi@ensure@newcommand{\m@mungebox}{%
8515 \setbox0=\hbox{\m@munvxh0}%
8516 \dp0=\z@
8517 \ht0=\footfudgefactor\wd0
8518 \box0
8519 \penalty0}
8520 \newskip\m@mipn@skip
8521 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
8522 {\foottextfont\global\m@mipn@skip=#1\relax}}
8523 \m@minterparanoteglue{1em plus.4em minus.4em}
8524 \@ifpackageloaded{multicol}{%
8525 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
8526 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
8527 \hsize\textwidth%
8528 \setbox0=\hbox{}}%
8529 \loop
8530 \unpenalty
8531 \setbox2=\lastbox
8532 \ifhbox2
8533 \setbox0=\hbox{\box2\unhbox0}
8534 \repeat}
8535 }{%
8536 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
8537 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
8538 \setbox0=\hbox{}}%
8539 \loop
8540 \unpenalty
8541 \setbox2=\lastbox
8542 \ifhbox2
8543 \setbox0=\hbox{\box2\unhbox0}
8544 \repeat}}
8545 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
8546 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
8547 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
8548 \bidi@ensure@newcommand{\paragraphfootnotes}{%
8549 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8550 \let\@footnotetext\@parafootnotetext
8551 \let\@LTRfootnotetext\@paraLTRfootnotetext
8552 \let\@RTLfootnotetext\@paraRTLfootnotetext
8553 \dimen\footinsv@r=\footinsdim
8554 \count\footinsv@r=1000\relax
8555 \m@make@para@footgroup{v@r}%
8556 \let\@footgroupv@r\@para@footgroupv@r
8557 \let\@mpfootnotetext\@mpparafootnotetext
8558 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
8559 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
8560 \m@make@mppara@footgroup{v@r}%
8561 \let\mp@footgroupv@r\@mppara@footgroupv@r

```



```

8562 {\foottextfont
8563 \dimen0=\baselineskip
8564 \multiply\dimen0 by 1024
8565 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
8566 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}
8567 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{\@RTLfalse
8568 \def\baselinestretch{\m@m@footnote@spacing}%
8569 \reset@font\foottextfont
8570 \@preamfntext
8571 \protected@edef\@currentlabel{%
8572 \csname p@footnote\endcsname\@thefnmark}%
8573 \setbox0=\vbox{\hsize=\maxdimen
8574 \color@begingroup
8575 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
8576 \color@endgroup}%
8577 \m@mungebox}\m@mmf@prepare}
8578 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{\@RTLfalse
8579 \def\baselinestretch{\m@m@footnote@spacing}%
8580 \reset@font\LTRfoottextfont
8581 \@preamfntext
8582 \protected@edef\@currentlabel{%
8583 \csname p@footnote\endcsname\@thefnmark}%
8584 \setbox0=\vbox{\hsize=\maxdimen
8585 \color@begingroup
8586 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
8587 \color@endgroup}%
8588 \m@mungebox}\m@mmf@prepare}
8589 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLfalse
8590 \def\baselinestretch{\m@m@footnote@spacing}%
8591 \reset@font\RTLfoottextfont
8592 \@preamfntext
8593 \protected@edef\@currentlabel{%
8594 \csname p@footnote\endcsname\@thefnmark}%
8595 \setbox0=\vbox{\hsize=\maxdimen
8596 \color@begingroup
8597 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
8598 \color@endgroup}%
8599 \m@mungebox}\m@mmf@prepare}
8600 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
8601 \parindent=\z@
8602 \parfillskip=0pt \@plus 1fil
8603 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
8604 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
8605 \parindent=\z@
8606 \parfillskip=0pt \@plus 1fil
8607 {\footfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
8608 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
8609 \parindent=\z@
8610 \parfillskip=0pt \@plus 1fil
8611 {\footfootmark\strut {\RTLfoottextfont #1}\penalty-10}}

```



```

8612 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
8613   \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
8614     \unvbox\@mpfootinsv@r
8615     \def\baselinestretch{\m@m@footnote@spacing}%
8616     \reset@font\foottextfont
8617     \hsize\columnwidth \@parboxrestore
8618     \protected@edef\@currentlabel{%
8619       \csname p@mpfootnote\endcsname\@thefnmark}%
8620     \setbox0=\vbox{\hsize=\maxdimen
8621       \color@begingroup
8622       \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
8623       \color@endgroup}}%
8624     \m@mungebox}\m@mmf@prepare}
8625 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
8626   \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
8627     \unvbox\@mpfootinsv@r
8628     \def\baselinestretch{\m@m@footnote@spacing}%
8629     \reset@font\LTRfoottextfont
8630     \hsize\columnwidth \@parboxrestore
8631     \protected@edef\@currentlabel{%
8632       \csname p@mpfootnote\endcsname\@thefnmark}%
8633     \setbox0=\vbox{\hsize=\maxdimen
8634       \color@begingroup
8635       \noindent \@paraLTRfootfmt{\beginL#1\endL}%
8636       \color@endgroup}}%
8637     \m@mungebox}\m@mmf@prepare}
8638 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
8639   \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
8640     \unvbox\@mpfootinsv@r
8641     \def\baselinestretch{\m@m@footnote@spacing}%
8642     \reset@font\RTLfoottextfont
8643     \hsize\columnwidth \@parboxrestore
8644     \protected@edef\@currentlabel{%
8645       \csname p@mpfootnote\endcsname\@thefnmark}%
8646     \setbox0=\vbox{\hsize=\maxdimen
8647       \color@begingroup
8648       \noindent \@paraRTLfootfmt{\beginR#1\endR}%
8649       \color@endgroup}}%
8650     \m@mungebox}\m@mmf@prepare}
8651 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
8652   \m@make@parafootnotetext{#1}%
8653   \m@make@mpparafootnotetext{#1}%
8654   \m@make@parafootfmt{#1}%
8655   \m@make@para@footgroup{#1}%
8656   \m@make@mppara@footgroup{#1}%
8657   \m@make@para@footstart{#1}%
8658   \bidi@namelongdef{\@footnotetext#1}##1{%
8659     \@nameuse{\@parafootnotetext#1}{##1}}%
8660   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8661     \@nameuse{\@mpparafootnotetext#1}{##1}}%

```



```

8662 \@namedef{@footgroup#1}{\@nameuse{@para@footgroup#1}}%
8663 \@namedef{mp@footgroup#1}{\@nameuse{@mppara@footgroup#1}}%
8664 \@namedef{@footstart#1}{\@nameuse{@para@footstart#1}}%
8665 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
8666 \expandafter\count\csname footins#1\endcsname=1000\relax
8667 {\@nameuse{foottextfont#1}}%
8668 \dimen0=\baselineskip
8669 \multiply\dimen0 by 1024
8670 \divide\dimen0 by \hsize \multiply\dimen0 by 64
8671 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }%
8672 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
8673 \bidi@namelongdef{@parafootnotetext#1}##1{%
8674 \insert\@nameuse{footins#1}{
8675 \def\baselinestretch{\m@m@footnote@spacing}%
8676 \reset@font\@nameuse{foottextfont#1}}%
8677 \@preamfntext
8678 \protected@edef\@currentlabel{%
8679 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8680 \setbox0=\vbox{\hsize=\maxdimen
8681 \color@begingroup
8682 \noindent \@nameuse{@parafootfmt#1}##1}%
8683 \color@endgroup}%
8684 \m@mungebox}\m@mmf@prepare}}
8685 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
8686 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
8687 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8688 \unvbox\@nameuse{@mpfootins#1}
8689 \def\baselinestretch{\m@m@footnote@spacing}%
8690 \reset@font\@nameuse{foottextfont#1}}%
8691 \hsize\columnwidth \@parboxrestore
8692 \protected@edef\@currentlabel{%
8693 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8694 \setbox0=\vbox{\hsize=\maxdimen
8695 \color@begingroup
8696 \noindent \@nameuse{@parafootfmt#1}##1}%
8697 \color@endgroup}%
8698 \m@mungebox}\m@mmf@prepare}}
8699 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
8700 \bidi@namelongdef{@parafootfmt#1}##1{%
8701 \parindent=\z@
8702 \parfillskip=0pt \@plus 1fil
8703 {\@nameuse{footfootmark#1}\strut
8704 {\@nameuse{foottextfont#1}##1}\penalty-10}}
8705 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
8706 \@namedef{@para@footgroup#1}{%
8707 \unvbox\@nameuse{footins#1}
8708 \m@mmakehboxofhboxes
8709 \setbox0=\hbox{\unhbox0 \m@removehboxes}%
8710 \@nameuse{foottextfont#1}}%
8711 \noindent\unhbox0\par}}

```



```

8712 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
8713 \@namedef{@mppara@footgroup#1}{%
8714   \unvbox\@nameuse{@mpfootins#1}
8715   \m@mmakehboxofhboxes
8716   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
8717   \@nameuse{foottextfont#1}%
8718   \noindent\unhbox0\par}}
8719 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
8720 \@namedef{@para@footstart#1}{%
8721   \vskip\bigskipamount
8722   \leftskip=\z@
8723   \rightskip=\z@
8724   \parindent=\z@
8725   \vskip\skip\@nameuse{footins#1}%
8726   \footnoterule}}
8727 \bidi@ensure@newcommand*{\m@m@makecolfloats}{%
8728   \xdef\@freelist{\@freelist\@midlist}%
8729   \global\let\@midlist\@empty
8730   \@combinefloats}
8731 \bidi@ensure@newcommand*{\m@m@makecoltext}{%
8732   \ifvbox\@kludgeins
8733     \@makespecialcolbox
8734   \else
8735     \setbox\@outputbox \vbox to \@colht{%
8736       \@texttop
8737       \dimen@ \dp\@outputbox
8738       \unvbox \@outputbox
8739       \vskip -\dimen@
8740       \@textbottom}%
8741   \fi}
8742 \bidi@ensure@newcommand*{\m@m@makecolintro}{%
8743 \bidi@ensure@newcommand*{\m@mopfootnote}{\setbox\@outputbox \vbox{%
8744   \boxmaxdepth\@maxdepth
8745   \@tempdima\dp\@cclv
8746   \unvbox\@cclv
8747   \vskip-\@tempdima
8748   \vskip \skip\footins
8749   \color@begingroup
8750     \normalcolor
8751     \footnoterule
8752     \unvbox \footins
8753   \color@endgroup}}
8754 \bidi@ensure@newcommand*{\m@mopsidebar}{%
8755   \ifvoid\sideins\else
8756     \setbox\@outputbox \vbox{%
8757       \sidecontents
8758       \unvbox\@outputbox}
8759   \fi}
8760 \gdef\mem@makecol{%
8761   \m@m@makecolintro

```



```

8762 \ifvoid\footins
8763   \setbox\@outputbox \box\@cc1v
8764 \else
8765   \m@mopfootnote
8766 \fi
8767 \m@mdoextrafeet
8768 \m@m@makecolfloats
8769 \m@mopsidebar
8770 \m@m@makecoltext
8771 \global \maxdepth \@maxdepth}
8772 \bidi@ensure@newcommand{\feetabovelfloat}{\gdef\@makecol{\mem@makecol}}
8773 \feetabovelfloat%

```

## 7.53 extreport-xetex-bidi.def

```

8774 \ProvidesFile{extreport-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for extreport class for
8775 \renewcommand*\l@part[2]{%
8776   \ifnum \c@tocdepth >-2\relax
8777     \addpenalty{-\@highpenalty}%
8778     \addvspace{2.25em \@plus\p@}%
8779     \begingroup
8780       \setlength\@tempdima{3em}%
8781       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8782       \parfillskip -\@pnumwidth
8783       {\leavevmode
8784         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8785       \nobreak
8786       \global\@nobreaktrue
8787       \everypar{\global\@nobreakfalse\everypar{}}%
8788     \endgroup
8789   \fi}
8790 \renewcommand*\l@chapter[2]{%
8791   \ifnum \c@tocdepth >\m@ne
8792     \addpenalty{-\@highpenalty}%
8793     \vskip 1.0em \@plus\p@
8794     \setlength\@tempdima{1.5em}%
8795     \begingroup
8796       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8797       \parfillskip -\@pnumwidth
8798       \leavevmode \bfseries
8799       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8800       \hskip -\if@RTL\rightskip\else\leftskip\fi
8801       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8802       \penalty\@highpenalty
8803     \endgroup
8804   \fi}
8805 \def\@makechapterhead#1{%
8806   \vspace*{50\p@}%
8807   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8808     \ifnum \c@secnumdepth >\m@ne

```



```

8809      \huge\bfseries \@chapapp\space \thechapter
8810      \par\nobreak
8811      \vskip 20\p@
8812      \fi
8813      \interlinepenalty\@M
8814      \Huge \bfseries #1\par\nobreak
8815      \vskip 40\p@
8816    }}
8817 \def\@makeschapterhead#1{%
8818   \vspace*{50\p@}%
8819   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8820    \normalfont
8821    \interlinepenalty\@M
8822    \Huge \bfseries #1\par\nobreak
8823    \vskip 40\p@
8824   }}
8825 \renewcommand\left@footnoterule{%
8826   \kern-3\p@
8827   \hrule\@width.4\columnwidth
8828   \kern2.6\p@}
8829 \renewcommand\right@footnoterule{%
8830   \hbox to \columnwidth
8831   {\beginR \vbox{%
8832     \kern-3\p@
8833     \hrule\@width.4\columnwidth
8834     \kern2.6\p@}\hfil\endR}}
8835 \renewenvironment{thebibliography}[1]
8836   {\chapter*{\bibname
8837     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8838   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8839     \list{\@biblabel{\@arabic\c@enumiv}}%
8840       {\settowidth\labelwidth{\@biblabel{#1}}%
8841        \leftmargin\labelwidth
8842        \advance\leftmargin\labelsep
8843        \@openbib@code
8844        \usecounter{enumiv}%
8845        \let\p@enumiv\@empty
8846        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8847     \sloppy\clubpenalty4000\widowpenalty4000%
8848     \sfcode`.\@m}
8849   {\def\@noitemerr
8850     {\@latex@warning{Empty `thebibliography' environment}}%
8851     \endlist}
8852 \if@titlepage
8853 \renewcommand\maketitle{\begin{titlepage}%
8854 \let\footnotesize\small
8855 \let\right@footnoterule\relax
8856 \let\left@footnoterule\relax
8857 \let\textwidth\footnoterule\relax
8858 \let \footnote \thanks

```





```

8859 \null\vfil
8860 \vskip 60\p@
8861 \begin{center}%
8862   {\LARGE \@title \par}%
8863   \vskip 3em%
8864   {\large
8865     \lineskip .75em%
8866     \begin{tabular}[t]{c}%
8867       \@author
8868     \end{tabular}\par}%
8869   \vskip 1.5em%
8870   {\large \@date \par}%           % Set date in \large size.
8871 \end{center}\par
8872 \@thanks
8873 \vfil\null
8874 \end{titlepage}%
8875 \setcounter{footnote}{0}%
8876 \global\let\thanks\relax
8877 \global\let\maketitle\relax
8878 \global\let\@thanks\@empty
8879 \global\let\@author\@empty
8880 \global\let\@date\@empty
8881 \global\let\@title\@empty
8882 \global\let\title\relax
8883 \global\let\author\relax
8884 \global\let\date\relax
8885 \global\let\and\relax
8886 }
8887 \else
8888 \renewcommand\maketitle{\par
8889   \begingroup
8890     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8891     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8892     \long\def\@makefntext##1{\parindent 1em\noindent
8893       \hbxt@1.8em{%
8894         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8895     \if@twocolumn
8896       \ifnum \col@number=\@ne
8897         \@maketitle
8898       \else
8899         \twocolumn[\@maketitle]%
8900       \fi
8901     \else
8902       \newpage
8903       \global\@topnum\z@   % Prevents figures from going at top of page.
8904       \@maketitle
8905     \fi
8906     \thispagestyle{plain}\@thanks
8907   \endgroup
8908   \setcounter{footnote}{0}%

```



```

8909 \global\let\thanks\relax
8910 \global\let\maketitle\relax
8911 \global\let\@maketitle\relax
8912 \global\let\@thanks\@empty
8913 \global\let\@author\@empty
8914 \global\let\@date\@empty
8915 \global\let\@title\@empty
8916 \global\let\title\relax
8917 \global\let\author\relax
8918 \global\let\date\relax
8919 \global\let\and\relax
8920 }
8921 \def\@maketitle{%
8922   \newpage
8923   \null
8924   \vskip 2em%
8925   \begin{center}%
8926     \let \footnote \thanks
8927     {\LARGE \@title \par}%
8928     \vskip 1.5em%
8929     {\large
8930       \lineskip .5em%
8931       \begin{tabular}[t]{c}%
8932         \@author
8933         \end{tabular}\par}%
8934     \vskip 1em%
8935     {\large \@date}%
8936   \end{center}%
8937   \par
8938   \vskip 1.5em}
8939 \fi
8940 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
8941 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
8942 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
8943 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
8944 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
8945 \renewcommand\theequation{%
8946   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
8947 \renewcommand\thefigure{%
8948   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
8949 \renewcommand\thetable{%
8950   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

## 7.54 fancybox-xetex-bidi.def

```

8951 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
8952 \def\fancy@oval#1#2#3{%
8953   \boxmaxdepth \maxdimen
8954   \@ovttrue \@ovbtrue \@ovltrtrue \@ovrrtrue
8955   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%

```



```

8956 \@ovxx#1\relax
8957 \advance\@ovxx-\@wholewidth
8958 \@ovyy#2\relax
8959 \advance\@ovyy-\@wholewidth
8960 \@tempdimb \ifdim \@ovyy >\@ovxx \@ovxx\else \@ovyy \fi
8961 \advance\@tempdimb-2\p@
8962 \ifdim\@tempdimb>\the@cornersize\relax
8963   \@tempdimb=\the@cornersize
8964 \fi
8965 \@getcirc\@tempdimb
8966 \@ovro\ht\@tempboxa \@ovri\dp\@tempboxa
8967 \@ovdx\@ovxx \advance\@ovdx-\@tempdima \divide\@ovdx \tw@
8968 \@ovdy\@ovyy \advance\@ovdy-\@tempdima \divide\@ovdy \tw@
8969 \@circlefnt
8970 \setbox\@tempboxa\hbox{\beginL%
8971   \if@ovr \@ovvert32\kern -\@tempdima \fi
8972   \if@ovl \kern \@ovxx \@ovvert01\kern -\@tempdima \kern -\@ovxx \fi
8973   \if@ovt \@ovhorz \kern -\@ovxx \fi
8974   \if@ovb \raise \@ovyy \@ovhorz \fi\endL}%
8975 \advance\@ovdx\@ovro
8976 \advance\@ovdy\@ovro
8977 \advance\@ovxx\@wholewidth
8978 \wd\@tempboxa=\@ovxx
8979 \dp\@tempboxa=\z@}

```

## 7.55 fancyhdr-xetex-bidi.def

```

8980 \ProvidesFile{fancyhdr-xetex-bidi.def}[2012/04/18 v0.4 bidi adaptations for fancyhdr package for
8981 \let\fnch@everypar\everypar%
8982 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
8983   \@fancyvbox\headheight{\hbox
8984     {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLa
8985       \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else
8986       \llap{\parbox[b]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLa
8987 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hb
8988   \@fancyvbox\footskip{\footrule
8989     \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLa
8990       \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\els
8991       \llap{\parbox[t]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLa

```

## 7.56 fix2col-xetex-bidi.def

```

8992 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for X
8993 \def\RTL@outputdblcol{%
8994   \if@firstcolumn
8995     \global\@firstcolumnfalse
8996     \global\setbox\@leftcolumn\copy\@outputbox
8997     \splitmaxdepth\maxdimen
8998     \vbadness\maxdimen
8999     \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9000     \toks@\expandafter{\topmark}%

```



```

9001 \xdef\@firstcoltopmark{\the\toks@}%
9002 \toks@\expandafter{\splitfirstmark}%
9003 \xdef\@firstcolfirstmark{\the\toks@}%
9004 \ifx\@firstcolfirstmark\@empty
9005 \global\let\@setmarks\relax
9006 \else
9007 \gdef\@setmarks{%
9008 \let\firstmark\@firstcolfirstmark
9009 \let\topmark\@firstcoltopmark}%
9010 \fi
9011 \else \global\@firstcolumntrue
9012 \setbox\@outputbox \vbox {\hbox to\textwidth {%
9013 \hskip \columnwidth
9014 \hfil \vrule width\columnseprule \hfil
9015 \hbox to\columnwidth {\box\@leftcolumn \hss}%
9016 \hskip -\textwidth
9017 \hbox to\columnwidth{\box\@outputbox \hss}%
9018 \hskip \columnsep
9019 \hskip \columnwidth }}%
9020 \@combinedblfloats \@setmarks \@outputpage
9021 \beginingroup \@dblfloatplacement \@startdblcolumn
9022 \@whiles\if@fcolmade \fi
9023 {\@outputpage \@startdblcolumn }\endgroup
9024 \fi}
9025 \def\LTR@outputdblcol{%
9026 \if@firstcolumn
9027 \global\@firstcolumnfalse
9028 \global\setbox\@leftcolumn\copy\@outputbox
9029 \splitmaxdepth\maxdimen
9030 \vbadness\maxdimen
9031 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9032 \toks@\expandafter{\topmark}%
9033 \xdef\@firstcoltopmark{\the\toks@}%
9034 \toks@\expandafter{\splitfirstmark}%
9035 \xdef\@firstcolfirstmark{\the\toks@}%
9036 \ifx\@firstcolfirstmark\@empty
9037 \global\let\@setmarks\relax
9038 \else
9039 \gdef\@setmarks{%
9040 \let\firstmark\@firstcolfirstmark
9041 \let\topmark\@firstcoltopmark}%
9042 \fi
9043 \else
9044 \global\@firstcolumntrue
9045 \setbox\@outputbox\vbox{%
9046 \hb@xt@\textwidth{%
9047 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
9048 \hfil
9049 \vrule \@width\columnseprule
9050 \hfil

```



```

9051      \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
9052 \combinedblfloats
9053 \setmarks
9054 \outputpage
9055 \beginngroup
9056   \dblfloatplacement
9057   \startdblcolumn
9058   \whiles\if@fcolmade \fi{\@outputpage\startdblcolumn}%
9059 \endgroup
9060 \fi}

```

## 7.57 fleqn-xetex-bidi.def

```

9061 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX eng
9062 \renewcommand\[\relax
9063   \ifmmode\@badmath
9064   \else
9065     \begin{trivlist}%
9066       \@beginparpenalty\predisplaypenalty
9067       \@endparpenalty\postdisplaypenalty
9068       \item[]\leavevmode
9069       \hb@xt@\linewidth\bgroup \beginL$\m@th\displaystyle %$
9070       \hskip\mathindent\bgroup
9071     \fi}
9072 \renewcommand\]{\relax
9073   \ifmmode
9074     \egroup $\hfil% $
9075   \endL\egroup
9076   \end{trivlist}%
9077   \else \@badmath
9078   \fi}
9079 \renewenvironment{equation}%
9080 {\@beginparpenalty\predisplaypenalty
9081  \@endparpenalty\postdisplaypenalty
9082  \refstepcounter{equation}%
9083  \trivlist \item[]\leavevmode
9084   \hb@xt@\linewidth\bgroup\beginL $ \m@th% $
9085   \displaystyle
9086   \hskip\mathindent}%
9087 {\$ \hfil % $
9088  \displaywidth\linewidth\hbox{\@eqnnum}%
9089  \endL\egroup
9090 \endtrivlist}

```

## 7.58 float-xetex-bidi.def

```

9091 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX
9092 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
9093 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
9094 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
9095 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%

```



```

g096 \expandafter\edef\csname the#1\endcsname{%
g097 \expandafter\noexpand\csname
g098 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
g099 {\PackageWarning{float}{Can't redefine counter variable for #1.}}

```

## 7.59 floatrow-xetex-bidi.def

```

g100 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for
g101 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}}%
g102 \expandafter\edef\csname the\FB@captype\endcsname{%
g103 \expandafter\noexpand\csname
g104 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}

```

## 7.60 flowfram-xetex-bidi.def

```

g105 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for
g106 \def\@outputdblcol{%
g107 \@nxtcol=\c@thisframe
g108 \c@curpg=\c@page
g109 \@g@tnextcol{\@nxtcol}%
g110 \ifff@nwpg % next flow frame starts on new page
g111 \global\@firstcolumntrue
g112 \setcolbox\c@thisframe
g113 \if@specialpage
g114 \global\@specialpagefalse
g115 \nameuse{ps@\@specialstyle}\relax
g116 \fi
g117 \if@twoside
g118 \ifodd\count\z@
g119 \let\@thehead\@oddhead
g120 \let\@thefoot\@oddfoot
g121 \else
g122 \let\@thehead\@evenhead
g123 \let\@thefoot\@evenfoot
g124 \fi
g125 \else
g126 \let\@thehead\@oddhead
g127 \let\@thefoot\@oddfoot
g128 \fi
g129 \@begindvi
g130 \@dynamicthehead\@dynamicthefoot
g131 \vbadness=\@M
g132 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
g133 \@combinedblfloats
g134 \@outputpage
g135 \advance\c@curpg by -\c@page\relax
g136 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
g137 \setbox\@outputbox\vbox{\hbox to \textwidth{\@ff@do@allframes}}}%
g138 \@outputpage}
g139 \begingroup
g140 \@dblfloatplacement

```



```

9141 \startdblcolumn
9142 \@whilesw \if@fcolmade \fi
9143 {\@outputpage \@startdblcolumn }\endgroup
9144 \@resetst@tics
9145 \@resetdyn@mics
9146 \else % still on same page, save contents of box255
9147 \global\@firstcolumnfalse
9148 \@setcolbox\c@thisframe
9149 \fi
9150 \global\c@thisframe=\@nxtcol
9151 \@setcol{\c@thisframe}\relax
9152 \global\@colht\vsiz
9153 }
9154 \def\@outputpage{%
9155 \begingroup
9156 \let\protect\noexpand
9157 \@resetactivechars
9158 \global\let\@@if@newlist\if@newlist
9159 \global\@newlistfalse\@parboxrestore
9160 \shipout\vbox{\set@typeset@protect
9161 \aftergroup
9162 \endgroup
9163 \aftergroup
9164 \set@typeset@protect
9165 \reset@font\normalsize\normalsfcodes
9166 \let\label\@gobble
9167 \let\index\@gobble
9168 \let\glossary\@gobble
9169 \baselineskip\z@skip
9170 \lineskip\z@skip
9171 \lineskiplimit\z@
9172 \vskip\topmargin\moveright\@themargin
9173 \vbox{%
9174 \vskip\headheight
9175 \vskip\headsep
9176 \box\@outputbox
9177 }}%
9178 \global\let\if@newlist\@@if@newlist
9179 \stepcounter{page}%
9180 \setcounter{displayedframe}{0}%
9181 \let\firstmark\botmark}
9182
9183
9184 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
9185 \expandafter\bidicolor\ff@txtcol}}
9186
9187 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
9188 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
9189
9190

```



```

9191 \renewcommand*{\@docolbox}[1]{%
9192 \edef\ff@frametype{%
9193 \csname @ff@frametype@romannumeral#1\endcsname}%
9194 \edef\ff@col{\csname @ff@col@romannumeral#1\endcsname}%
9195 \edef\ff@txtcol{\csname @ff@txtcol@romannumeral#1\endcsname}%
9196 \edef\ff@backcol{\csname @ff@backcol@romannumeral#1\endcsname}%
9197 \@ff@setoffset{#1}%
9198 \rotateframe{\csname @ff@angle@romannumeral#1\endcsname}{%
9199 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
9200 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
9201 {\csname colheight\romannumeral#1\endcsname}}{%
9202 \expandafter\box\csname column\romannumeral#1\endcsname}}{%
9203 \csname\ff@frametype\endcsname}%
9204 }{%
9205 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
9206 {\csname colheight\romannumeral#1\endcsname}}{%
9207 \expandafter\box\csname column\romannumeral#1\endcsname}%
9208 }}}
9209 \@ifclassloaded{book}{%
9210 \renewcommand\theequation
9211 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9212 \renewcommand \thefigure
9213 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9214 \renewcommand \thetable
9215 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9216 \renewcommand \thechapter {\@arabic\c@chapter}
9217 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9218 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9219 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9220 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9221 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
9222 \@ifclassloaded{report}{%
9223 \renewcommand\theequation
9224 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9225 \renewcommand \thefigure
9226 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9227 \renewcommand \thetable
9228 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9229 \renewcommand \thechapter {\@arabic\c@chapter}
9230 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9231 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9232 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9233 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9234 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
9235 \renewcommand{\rotateframe}[2]{\if@ttb@rotate
9236 \rotatebox{#1}{\if@RTL\beginLfi#2\if@RTL\endLfi}%
9237 \else
9238 #2\relax
9239 \fi}

```





## 7.61 footnote-xetex-bidi.def

```

9240 \ProvidesFile{footnote-xetex-bidi.def}[2013/04/26 v0.8 bidi footnote macros for XeTeX engine]
9241 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
9242 \newif\ifbidi@autofooterule
9243 \def\bidi@mpfootnoterule{\footnoterule}
9244 \newcounter{footdir@label}
9245 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
9246 \newcommand*{\footdir@write}{%
9247   \stepcounter{footdir@label}%
9248   \zref@labelbyprops{\thefootdir@label}{abspage}%
9249 }
9250 \newif\iffootdir@debug
9251 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
9252 \newtoks\footdir@toks
9253 \newcommand*{\footdir@debug}[1]{%
9254   \iffootdir@debug
9255     \typeout{[footdir] #1}%
9256   \fi
9257 }
9258 \ifpackagelater{zref-abspage}{2012/10/27}{%
9259   \newcommand*{\footdir@LeftRightElse}{%
9260     \ltx@ifundefined{footdir@the\value{zabspage}}{%
9261       \footdir@debug{abspage \the\value{zabspage}: else}%
9262       \ltx@thirdofthree
9263     }{%
9264       \if\c@name footdir@the\value{zabspage}\endcsname L%
9265         \footdir@debug{abspage \the\value{zabspage}: left}%
9266         \expandafter\ltx@firstofthree
9267       \else
9268         \footdir@debug{abspage \the\value{zabspage}: right}%
9269         \expandafter\ltx@secondofthree
9270       \fi
9271     }%
9272   }%
9273 }{%
9274   \providecommand*\c@zabspage{\c@abspage}%
9275   \newcommand*{\footdir@LeftRightElse}{%
9276     \footdir@write
9277     \zifrefundefined{\thefootdir@label}{%
9278       \footdir@debug{abspage ??: else}%
9279       \ltx@thirdofthree
9280     }{%
9281       \edef\footdir@abspage{%
9282         \zref@extractdefault{\thefootdir@label}{abspage}{0}%
9283       }%
9284       \ltx@ifundefined{footdir@\footdir@abspage}{%
9285         \footdir@debug{\footdir@abspage: else}%
9286         \ltx@thirdofthree
9287       }{%

```



```

9288         \if\csname footdir@\footdir@abspage\endcsname L%
9289             \footdir@debug{\footdir@abspage: left}%
9290             \expandafter\ltx@firstofthree
9291         \else
9292             \footdir@debug{\footdir@abspage: right}%
9293             \expandafter\ltx@secondofthree
9294         \fi
9295     }%
9296 }%
9297 }%
9298 }
9299 \newcommand*{\footdir@fntext}[1]{%
9300     \zifrefundefined{\thefootdir@label}{%
9301     }{%
9302         \edef\footdir@name{%
9303             footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
9304         }%
9305         \@ifundefined{\footdir@name}{%
9306             \expandafter\gdef\csname\footdir@name\endcsname{#1}%
9307         }{}%
9308     }%
9309 }
9310
9311 \newcommand*{\footdir@temp}[3]{%
9312     \@ifdefinable{#1}{%
9313         \let#1#2%
9314         \renewcommand{#2}[1]{%
9315             \footdir@write
9316             \footdir@fntext{#3}%
9317             \stepcounter{footdir@label}%
9318             \footdir@fntext{#3}%
9319             \footdir@toks{##1}%
9320             \footdir@toks\expandafter{%
9321                 \the\expandafter\footdir@toks
9322                 \expandafter
9323                 \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
9324             }%
9325             \expandafter#1\expandafter{\the\footdir@toks}%
9326         }%
9327     }%
9328 }
9329
9330 \def\right@footnoterule{%
9331     \hbox to \columnwidth
9332     {\beginR \vbox{\kern -3\p@
9333         \hrule width .4\columnwidth \kern2.6\p@}\hfil\endR}}
9334 \def\left@footnoterule{%
9335     \hrule width .4\columnwidth\kern 2.6\p@}
9336 \def\textwidth@footnoterule{\kern-3\p@
9337     \hrule \@width \columnwidth \kern 2.6\p@}

```



```

9338 \def\leftfootnoterule{%
9339 \bidi@autofootnoterulefalse%
9340 \def\footnoterule{\left@footnoterule}}
9341 \let\LRfootnoterule=\leftfootnoterule
9342 \def\rightfootnoterule{%
9343 \bidi@autofootnoterulefalse%
9344 \def\footnoterule{\right@footnoterule}}
9345 \def\textwidthfootnoterule{%
9346 \bidi@autofootnoterulefalse%
9347 \def\footnoterule{\textwidth@footnoterule}}
9348
9349
9350
9351 \def\auto@footnoterule{%
9352 \footdir@LeftRightElse%
9353 \left@footnoterule%
9354 \right@footnoterule%
9355 \left@footnoterule%
9356 }
9357
9358
9359
9360 \def\autofootnoterule{%
9361 \bidi@autofootnoteruletrue%
9362 \def\footnoterule{\auto@footnoterule}%
9363 }
9364
9365 \newcommand*\SplitFootnoteRule{%
9366 \gdef\split@prev{0}
9367 \let\pagefootnoterule\footnoterule
9368 \let\mpfootnoterule\footnoterule
9369 \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
9370 \def\footnoterule{\relax
9371 \ifx \@listdepth\@mplistdepth
9372 \mpfootnoterule
9373 \else
9374 \ifnum\split@prev=\z@
9375 \pagefootnoterule
9376 \else
9377 \splitfootnoterule
9378 \fi
9379 \xdef\split@prev{\the\insertpenalties}%
9380 \fi
9381 }%
9382 }
9383
9384
9385
9386
9387 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn

```



```

9388 \protected@xdef\@thefnmark{\thempfn}%
9389 \@footnotemark\@RTLfootnotetext}}
9390 \def\xRTLfootnote[#1]{%
9391 \begingroup
9392 \csname c@\mpfn\endcsname #1\relax
9393 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9394 \endgroup
9395 \@footnotemark\@RTLfootnotetext}
9396 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\mpfn
9397 \protected@xdef\@thefnmark{\thempfn}%
9398 \@footnotemark\@LTRfootnotetext}}
9399 \def\xLTRfootnote[#1]{%
9400 \begingroup
9401 \csname c@\mpfn\endcsname #1\relax
9402 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9403 \endgroup
9404 \@footnotemark\@LTRfootnotetext}
9405
9406
9407 \def\setfootnoteRL{\@RTL@footnotetrue}
9408 \def\unsetfootnoteRL{\@RTL@footnotefalse}
9409 \def\setfootnoteLR{\unsetfootnoteRL}
9410
9411 \long\def\@footnotetext#1{\insert\footins{%
9412 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9413 \reset@font\footnotesize
9414 \interlinepenalty\interfootnotelinepenalty
9415 \splittopskip\footnotesep
9416 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
9417 \hsize\columnwidth \@parboxrestore
9418 \protected@edef\@currentlabel{%
9419 \csname p@footnote\endcsname\@thefnmark
9420 }%
9421 \color@begingroup
9422 \@makefntext{%
9423 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}}%
9424 \color@endgroup}}}%
9425
9426
9427 \long\def\@RTLfootnotetext#1{\insert\footins{%
9428 \@RTLtrue%
9429 \reset@font\footnotesize
9430 \interlinepenalty\interfootnotelinepenalty
9431 \splittopskip\footnotesep
9432 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
9433 \hsize\columnwidth \@parboxrestore
9434 \protected@edef\@currentlabel{%
9435 \csname p@footnote\endcsname\@thefnmark
9436 }%
9437 \color@begingroup

```



```

9438     \@makefntext{%
9439         \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9440     \color@endgroup}}%
9441
9442 \long\def\@LTRfootnotetext#1{\insert\footins{%
9443     \@RTLfalse%
9444     \reset@font\footnotesize
9445     \interlinepenalty\interfootnotelinepenalty
9446     \splittopskip\footnotesep
9447     \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
9448     \hsize\columnwidth \@parboxrestore
9449     \protected@edef\@currentlabel{%
9450         \csname p@footnote\endcsname\@thefnmark
9451     }%
9452     \color@begingroup
9453         \@makefntext{%
9454             \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9455         \color@endgroup}}%
9456
9457 \AtBeginDocument{%
9458 \if@RTL\footnote
9459     \newcommand*{\bidi@footdir@footnote}{R}
9460 \else
9461     \newcommand*{\bidi@footdir@footnote}{L}
9462 \fi%
9463 }
9464
9465 \footdir@temp\footdir@ORG\bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
9466 \footdir@temp\footdir@ORG\bidi@RTLfootnotetext\@RTLfootnotetext{R}%
9467 \footdir@temp\footdir@ORG\bidi@LTRfootnotetext\@LTRfootnotetext{L}%
9468
9469 \long\def\@mpRTLfootnotetext#1{%
9470     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnote
9471     \global\setbox\@mpfootins\vbox{\@RTLtrue%
9472         \unvbox\@mpfootins
9473         \reset@font\footnotesize
9474         \hsize\columnwidth
9475         \@parboxrestore
9476         \protected@edef\@currentlabel
9477             {\csname p@mpfootnote\endcsname\@thefnmark}%
9478         \color@begingroup
9479             \@makefntext{%
9480                 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9481             \color@endgroup}}
9482 \long\def\@mpLTRfootnotetext#1{%
9483     \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnote
9484     \global\setbox\@mpfootins\vbox{\@RTLfalse%
9485         \unvbox\@mpfootins
9486         \reset@font\footnotesize
9487         \hsize\columnwidth

```



```

9488 \parboxrestore
9489 \protected@edef\@currentlabel
9490 {\csname p@mpfootnote\endcsname\@thefnmark}%
9491 \color@begingroup
9492 \makefnmark{%
9493 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9494 \color@endgroup}}
9495 \long\def\@mpfootnotetext#1{%
9496 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnoterule
9497 \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9498 \unvbox\@mpfootins
9499 \reset@font\footnotesize
9500 \hsize\columnwidth
9501 \parboxrestore
9502 \protected@edef\@currentlabel
9503 {\csname p@mpfootnote\endcsname\@thefnmark}%
9504 \color@begingroup
9505 \makefnmark{%
9506 \rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9507 \color@endgroup}}
9508 \def\@iiiminipage#1#2[#3]#4{%
9509 \leavevmode
9510 \@pboxswfalse
9511 \ifRTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
9512 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
9513 \setlength\@tempdima{#4}%
9514 \def\@mpargs{{#1}{#2}[#3]{#4}}%
9515 \setbox\@tempboxa\vbox\bgroup
9516 \color@begingroup
9517 \hsize\@tempdima
9518 \textwidth\hsize \columnwidth\hsize
9519 \parboxrestore
9520 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
9521 \let\@footnotetext\@mpfootnotetext
9522 \let\@LTRfootnotetext\@mpLTRfootnotetext
9523 \let\@RTLfootnotetext\@mpRTLfootnotetext
9524 \let\@listdepth\@mplistdepth \@mplistdepth\z@
9525 \@minipagerestore
9526 \@setminipage}
9527 \def\endminipage{%
9528 \par
9529 \unskip
9530 \ifvoid\@mpfootins\else
9531 \vskip\skip\@mpfootins
9532 \normalcolor
9533 \bidi@mpfootnoterule
9534 \unvbox\@mpfootins
9535 \fi
9536 \@minipagefalse %% added 24 May 89
9537 \color@endgroup

```



```

9538 \egroup
9539 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
9540 \def\LTRthanks#1{\footnotemark
9541   \protected@xdef\@thanks{\@thanks
9542     \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
9543 }
9544 \def\LTRfootnotetext{%
9545   \ifnextchar [\@xLTRfootnotenext
9546     {\protected@xdef\@thefnmark{\thempfn}%
9547     \@LTRfootnotetext}}
9548 \def\@xLTRfootnotenext[#1]{%
9549   \begingroup
9550     \csname c@\@mpfn\endcsname #1\relax
9551     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9552   \endgroup
9553   \@LTRfootnotetext}
9554 \def\RTLthanks#1{\footnotemark
9555   \protected@xdef\@thanks{\@thanks
9556     \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
9557 }
9558 \let\@thanks\@empty
9559 \def\RTLfootnotetext{%
9560   \ifnextchar [\@xRTLfootnotenext
9561     {\protected@xdef\@thefnmark{\thempfn}%
9562     \@RTLfootnotetext}}
9563 \def\@xRTLfootnotenext[#1]{%
9564   \begingroup
9565     \csname c@\@mpfn\endcsname #1\relax
9566     \unrestored@protected@xdef\@thefnmark{\thempfn}%
9567   \endgroup
9568   \@RTLfootnotetext}
9569 \leftfootnoterule

```

## 7.62 framed-xetex-bidi.def

```

9570 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
9571 \renewcommand\TitleBarFrame[3][\begingroup
9572   \ifx\delimiter#1\delimiter
9573     \let\TF@conlab\@empty
9574   \else
9575     \def\TF@conlab{% continuation label
9576       \nointerlineskip
9577       \smash{\rlap{\kern\wd\@tempboxa\kern\fbboxrule\kern\fbboxsep #1}}}%
9578   \fi
9579   %\let\TF@savecolor\current@color
9580   \textcolor{TFFrameColor}{%
9581     \CustomFBox
9582     {\TF@Title{#2}}{\TF@conlab}%
9583     \fbboxrule\fbboxrule\fbboxrule\fbboxrule
9584     %\let\current@color\TF@savecolor\set@color #3}%

```



```

9585     {\normalcolor #3}%
9586   }\endgroup
9587 }
9588 \renewenvironment{titled-frame}[1]{%
9589   \def\FrameCommand{\fbxsep8pt\fbxrule2pt
9590     \TitleBarFrame{\textbf{#1}}}%
9591   \def\FirstFrameCommand{\fbxsep8pt\fbxrule2pt
9592     \TitleBarFrame[{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$}]{\textbf{#1}}}%
9593   \def\MidFrameCommand{\fbxsep8pt\fbxrule2pt
9594     \TitleBarFrame[{$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$}]{\textbf{#1\ (cont)}}%
9595   \def\LastFrameCommand{\fbxsep8pt\fbxrule2pt
9596     \TitleBarFrame{\textbf{#1\ (cont)}}}%
9597   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
9598 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
9599 % could interfere with the width measurement.
9600 {\endMakeFramed}
9601 \chardef\FrameRestore=\catcode`\| % for debug
9602 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
9603 \def\fb@put@frame#1#2{\relax
9604   \ifdim\pagegoal=\maxdimen \pagegoal\vspace \fi
9605 |   \message{===== Entering putframe =====^~J
9606 |     \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
9607   \ifinner
9608     \fb@putboxa#1%
9609     \fb@afterframe
9610   \else
9611     \dimen@ \pagegoal \advance\dimen@-\pagetotal % natural space left on page
9612     \ifdim\dimen@<2\baselineskip % Too little room on page
9613 |     \message{Page has only \the\dimen@ space room left; eject. }%
9614     \eject \fb@adjheight \fb@put@frame#1#2%
9615   \else % there's appreciable room left on the page
9616     \fb@sizeofframe#1%
9617 |     \message{\string\pagetotal=\the\pagetotal,
9618 |       \string\pagegoal=\the\pagegoal,
9619 |       \string\pagestretch=\the\pagestretch,
9620 |       \string\pageshrink=\the\pageshrink,
9621 |       \string\fb@frh=\the\fb@frh. \space}
9622 |     \message{^^JBox of size \the\ht\@tempboxa\space}%
9623     \begingroup % temporarily set \dimen@ to be...
9624     \advance\dimen@.8\pageshrink % maximum space available on page
9625     \advance\dimen@-\fb@frh\relax % max space available for frame's contents
9626 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
9627     \expandafter\endgroup
9628     % expand \ifdim, then restore \dimen@ to real room left on page
9629     \ifdim\dimen@>\ht\@tempboxa % whole box does fit
9630 |     \message{fits in \the\dimen@. }%
9631     % ToDo: Change this to use vsplit anyway to capture the marks
9632     % MERGE THIS WITH THE else CLAUSE!!!
9633     \fb@putboxa#1%
9634     \fb@afterframe

```





```

9635 \else % box must be split
9636 | \message{must be split to fit in \the\dimen@. }%
9637 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
9638 \fb@sizeofframe#2%
9639 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
9640 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
9641 \kern137sp\kern-137sp\penalty-30
9642 \unvbox\@tempboxa}%
9643 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
9644 \splittopskip\the\splittopskip}%
9645 \boxmaxdepth\z@ \splittopskip\z@
9646 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
9647 % Split box here
9648 \setbox\tw@\vsplit\@tempboxa to\dimen@
9649 | \toks99\expandafter{\splitfirstmark}%
9650 | \toks98\expandafter{\splitbotmark}%
9651 | \message{Marks are: \the\toks99, \the\toks98. }%
9652 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
9653 | \message{Natural height of split box is \the\ht\tw@, leaving
9654 | \the\ht\@tempboxa\space remainder. }%
9655 % If the split-to size > (\vsize-\topskip), then set box to full size.
9656 \begingroup
9657 \advance\dimen@\topskip
9658 \expandafter\endgroup
9659 \ifdim\dimen@>\pagegoal
9660 | \message{Frame is big -- Use up the full column. }%
9661 \dimen@ii\pagegoal
9662 \advance\dimen@ii -\topskip
9663 \advance\dimen@ii \FrameHeightAdjust\relax
9664 \else % suspect this is implemented incorrectly:
9665 % If the split-to size > feasible room_on_page, rebox it smaller.
9666 \advance\dimen@.8\pageshrink
9667 \ifdim\ht\tw@>\dimen@
9668 | \message{Box too tall; rebox it to \the\dimen@. }%
9669 \dimen@ii\dimen@
9670 \else % use natural size
9671 \dimen@ii\ht\tw@
9672 \fi
9673 \fi
9674 % Re-box contents to desired size \dimen@ii
9675 \advance\dimen@ii -\fb@frh
9676 \setbox\tw@\vbox to\dimen@ii \bgroup
9677 % remove simulated frame and page flexibility:
9678 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
9679 \unvbox\tw@ \unpenalty\unpenalty
9680 \ifdim\lastkern=-137sp % whole box went to next page
9681 | \message{box split at beginning! }%
9682 % need work here???
9683 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
9684 \fb@adjheight

```



```

9685         \fb@put@frame#1#2% INSERTED ???
9686     \else % Got material split off at the head
9687         \egroup \fb@resto@set
9688         \ifvoid\@tempboxa % it all fit after all
9689 |         \message{box split at end! }%
9690         \setbox\@tempboxa\box\tw@
9691         \fb@putboxa#1%
9692         \fb@afterframe
9693     \else % it really did split
9694 |     \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
9695         \ifdim\wd\tw@>z@
9696             \wd\tw@\wd\@tempboxa
9697             \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
9698         \else
9699 |     \message{Zero width means likely blank. Don't frame it (guess)}%
9700         \box\tw@
9701         \fi
9702         \hrule \@height\z@ \@width\hsize
9703         \eject
9704         \fb@adjheight
9705         \fb@put@frame\LastFrameCommand\MidFrameCommand
9706     \fi\fi\fi\fi\fi
9707 }
9708 \def\fb@putboxa#1{%
9709     \ifvoid\@tempboxa
9710         \PackageWarning{framed}{Boxa is void -- discard it. }%
9711     \else
9712 |     \message{Frame and place boxa. }%
9713 |     %{\showoutput\showbox\@tempboxa}%
9714     \centerline{#1{\hboxL{\box\@tempboxa}}}%
9715     \fi
9716 }
9717 \catcode`\|=\FrameRestore
9718 \def\FrameRestore{%
9719     \let\if@nobreak\iffalse
9720     \let\if@noskipsec\iffalse
9721     \let\-\@dischyph
9722     \let\'\@acci\let\` \@accii\let\=\@acciii
9723     % \message{FrameRestore:
9724     %     \@totalleftmargin=\the \@totalleftmargin,
9725     %     \rightmargin=\the\rightmargin,
9726     %     \@listdepth=\the\@listdepth. }%
9727     % Test if we are in a list (or list-like paragraph)
9728     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
9729         \ifdim\rightmargin>\z@ 1\fi
9730         \ifnum\@listdepth>\z@ 1\fi 0>\z@
9731     %     \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
9732     %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
9733     %     \labelwidth=\the\labelwidth. }%
9734     \@setminipage % snug fit around the item

```



```

9735 % Now try to propagate changes of width from \hsize to list parameters.
9736 % This is deficient, but a more advanced way to indicate modification to text
9737 % dimensions is not (yet) provided; in particular, no separate left/right
9738 % adjustment.
9739 \advance\linewidth-\columnwidth \advance\linewidth\hsize
9740 \parshape\@ne \@totalleftmargin \linewidth
9741 \else % Not in list
9742 \linewidth=\hsize
9743 %\message{No list, set \string\linewidth=\the\hsize. }%
9744 \fi
9745 \sloppy
9746 }

```

## 7.63 ftnright-xetex-bidi.def

```

9747 \ProvidesFile{ftnright-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for ftnright package for
9748 \def\LTR@outputdblcol{\if@firstcolumn
9749 \global\@firstcolumnfalse
9750 \global\setbox\@leftcolumn\box\@outputbox
9751 \global\count\footins\@m
9752 \global\skip\footins\rcol@footinsskip
9753 \else \preparefootins
9754 \global\@firstcolumntrue
9755 \setbox\@outputbox\vbox{\hbox to\textwidth
9756 {\hbox to\columnwidth
9757 {\box\@leftcolumn\hss}%
9758 \hfil\vrule\@width\columnseprule\hfil
9759 \hbox to\columnwidth
9760 {\box\@outputbox\hss}}}%
9761 \@combinedblfloats\@outputpage
9762 \begingroup
9763 \@dblfloatplacement\@startdblcolumn
9764 \@whiles\if@fcolmade\fi
9765 {\@outputpage\@startdblcolumn}%
9766 \endgroup
9767 \fi}
9768 \def\RTL@outputdblcol{\if@firstcolumn
9769 \global\@firstcolumnfalse
9770 \global\setbox\@leftcolumn\box\@outputbox
9771 \global\count\footins\@m
9772 \global\skip\footins\rcol@footinsskip
9773 \else \preparefootins
9774 \global\@firstcolumntrue
9775 \setbox\@outputbox\vbox{\hbox to\textwidth
9776 {\hskip \columnwidth
9777 \hfil \vrule width\columnseprule \hfil
9778 \hbox to\columnwidth
9779 {\box\@leftcolumn\hss}%
9780 \hskip -\textwidth
9781 \hbox to\columnwidth

```



```

9782          {\box\@outputbox\hss}%
9783      \hskip \columnsep
9784      \hskip \columnwidth}}}%
9785  \@combinedblfloats\@outputpage
9786  \begingroup
9787  \@dblfloatplacement\@startdblcolumn
9788  \@whilesw@if@fcolmade@fi
9789      {\@outputpage\@startdblcolumn}%
9790  \endgroup
9791  \fi}
9792  \let\leftfootnoterule\@empty
9793  \let\rightfootnoterule\@empty
9794  \let\textwidthfootnoterule\@empty
9795  \let\autofootnoterule\@empty
9796  \let\footnoterule\@empty
9797  \long\def\@makefntext#1{\parindent 1em
9798      \noindent\hbox to 2em{}}%
9799      \llap{\@thefnmark\hbox{.}.},\,}#1}

```

## 7.64 graphicx-xetex-bidi.def

```

g800 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
g801 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi%
g802 \Grot@setangle{#1}%
g803 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\endR\fi}%
g804 \Grot@x\z@
g805 \Grot@y\z@
g806 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
g807 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
g808 \leavevmode
g809 \def\Gscale@x{#1}\def\Gscale@y{#2}%
g810 \setbox\z@\hbox{{#3}}%
g811 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
g812 \ifdim#2\p<\z@
g813 \ht\tw@-#2\dp\z@
g814 \dp\tw@-#2\ht\z@
g815 \else
g816 \ht\tw@#2\ht\z@
g817 \dp\tw@#2\dp\z@
g818 \fi
g819 \ifdim#1\p<\z@
g820 \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
g821 \else
g822 \wd\tw@#1\wd\z@
g823 \box\tw@
g824 \fi\ifmmode\else\if@RTL\endL\fi\fi}
g825 \def\Gin@iii[#1,#2][#3,#4]#5{%
g826 \begingroup
g827 \ifmmode\else\if@RTL\beginL\fi\fi
g828 \Gin@bboxtrue

```



```

9829 \Gin@defaultbp\Gin@llx{#1}%
9830 \Gin@defaultbp\Gin@lly{#2}%
9831 \Gin@defaultbp\Gin@urx{#3}%
9832 \Gin@defaultbp\Gin@ury{#4}%
9833 \Gininclude@graphics{#5}%
9834 \ifmmode\else\if@RTL\endL\fi\fi
9835 \endgroup}
9836 \def\Gin@ii[#1]#2{%
9837   \def\@tempa{[]}\def\@tempb{#2}%
9838   \ifx\@tempa\@tempb
9839     \def\@tempa{\Gin@iii[#1] []}%
9840     \expandafter\@tempa
9841   \else
9842     \begingroup
9843       \ifmmode\else\if@RTL\beginL\fi\fi
9844       \@tempswafalse
9845       \toks@{\Gininclude@graphics{#2}}%
9846       \setkeys{Gin}{#1}%
9847       \Gin@esetsize
9848       \the\toks@
9849       \ifmmode\else\if@RTL\endL\fi\fi
9850     \endgroup
9851     \fi}
9852 \def\reflectbox{\bidiGscale@box-1[1]}
9853 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
9854   \leavevmode
9855   \def\Gscale@x{#1}\def\Gscale@y{#2}%
9856   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
9857   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
9858   \ifdim#2\p@<\z@
9859     \ht\tw@-#2\dp\z@
9860     \dp\tw@-#2\ht\z@
9861   \else
9862     \ht\tw@#2\ht\z@
9863     \dp\tw@#2\dp\z@
9864   \fi
9865   \ifdim#1\p@<\z@
9866     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
9867   \else
9868     \wd\tw@#1\wd\z@
9869     \box\tw@
9870   \fi\ifmmode\else\if@RTL\endL\fi\fi}
9871 \def\scalebox#1{%
9872   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}
9873 \def\resizebox{%
9874   \leavevmode
9875   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
9876 \def\bidiGscale@@box#1#2#3{%
9877   \let\@tempa\Gin@exclamation
9878   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%

```



```

9879 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
9880 \ifx\@tempb\@tempa
9881   \ifx\@tempc\@tempa
9882     \toks@{\mbox}%
9883   \else
9884     \toks@{\bidiGscale@box@dd{#3}#1}%
9885   \fi
9886 \else
9887   \ifx\@tempc\@tempa
9888     \toks@{\bidiGscale@box@dd{#2}\width}%
9889   \else
9890     \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
9891   \fi
9892 \fi
9893 \the\toks@}
9894 \long\def\bidiGscale@box@dd#1#2#3{%
9895 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@
9896 \setlength\@tempdima{#1}%
9897 \setlength\@tempdimb{#2}%
9898 \Gscale@div\@tempa\@tempdima\@tempdimb
9899 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
9900 \end@tempboxa}
9901 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
9902 \begin@tempboxa\hbox{\ifmmode\if@RTL\beginR\fi#5\if@RTL\endR\fi\else\if@RTL\beginR\fi#5\if@
9903 \setlength\@tempdima{#1}%
9904 \setlength\@tempdimb{#2}%
9905 \Gscale@div\@tempa\@tempdima\@tempdimb
9906 \setlength\@tempdima{#3}%
9907 \setlength\@tempdimb{#4}%
9908 \Gscale@div\@tempb\@tempdima\@tempdimb
9909 \ifGin@iso
9910 \ifdim\@tempa\p@>\@tempb\p@
9911 \let\@tempa\@tempb
9912 \else
9913 \let\@tempb\@tempa
9914 \fi
9915 \fi
9916 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
9917 \end@tempboxa}

```

## 7.65 geometry-xetex-bidi.def

```

9918 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for
9919 \renewcommand*\Gm@vrules@mpi{%
9920 \if@RTLmain%
9921   \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
9922   \llap{\Gm@vrule}\ignorespaces
9923   \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
9924   \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
9925 \else%

```



```

9926 \hb@xt@{\tempdima{\llap{\Gm@vrule}\ignorespaces
9927 \hskip \textwidth\Gm@vrule\hskip \marginparsep
9928 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
9929 \renewcommand*{\Gm@vrules@mpii}{%
9930 \if@RTLmain%
9931 \hb@xt@{\tempdima{\llap{\Gm@vrule}\ignorespaces
9932 \hskip \textwidth\Gm@vrule\hskip \marginparsep
9933 \llap{\Gm@vrule}\hfil\Gm@vrule}%
9934 \else%
9935 \hb@xt@{\tempdima{\hskip-\marginparwidth\hskip-\marginparsep
9936 \llap{\Gm@vrule}\ignorespaces
9937 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
9938 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
9939

```

## 7.66 hvfloat-xetex-bidi.def

```

9940 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for X
9941 \def\do@hvFloat[#1]#2#3{%
9942 \def\hv@shortCap{#1}
9943 \def\hv@longCap{#2}
9944 \def\hv@label{#3}
9945 %\newcommand*{\hvFloat}[5][{}]{%
9946 % [#1]: keyvalues
9947 % #2: type figure | table | ...
9948 % #3: float contents
9949 % [#4]: short caption
9950 % #5: caption
9951 % #6: label
9952 % \setDefault%
9953 % \def\@tempa{#1}%
9954 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi set options, only when not empty
9955 \def\@tempa{90}%
9956 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
9957 \else \setlength{\hvMaxCapWidth}{\linewidth}
9958 \fi
9959 %
9960 % First we save the object in \hvObjectBox
9961 %
9962 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
9963 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
9964 \else
9965 \savebox{\hvObjectBox}{%
9966 \rotatebox{\hvSet@objectAngle}{%
9967 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
9968 \fi
9969 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
9970 %
9971 % Now we save the caption with its defined \hvCapWidth
9972 %

```



```

9973 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
9974 \else
9975 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
9976 \else
9977 \setlength{\hvCapWidth}{\hvObjectWidth}
9978 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
9979 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
9980 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
9981 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
9982 \else
9983 \setlength{\hvCapWidth}{\hvMaxCapWidth}
9984 \fi
9985 \fi
9986 \fi
9987 %
9988 % now we have the object and the caption with the right
9989 % rotated angles saved in boxes
9990 %
9991 \def\fps@figure{\hvSet@floatPos}
9992 \ifhv@nonFloat\begin{group}% Start the nonfloat part
9993 \else \begin{\hv@floatType}% Start the floating environment
9994 \fi%
9995 \saveCaptionSkip% we put this space ourselves
9996 \ifx\hvSet@capAngle\hv@Width % need rotation?
9997 \sbox{\hvCaptionBox}{%
9998 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
9999 \ifhv@nonFloat%
10000 \ifhv@onlyText#2%
10001 \else%
10002 \ifx\hv@floatType\hv@figure
10003 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
10004 \else
10005 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption{#1}{#2}\fi%
10006 \fi
10007 \fi
10008 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption{#1}{#2}\fi%
10009 \fi%
10010 \label{#3}%
10011 \end{minipage}%
10012 }%
10013 \else%
10014 \sbox{\hvCaptionBox}{%
10015 \rotatebox{\hvSet@capAngle}{%
10016 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
10017 \ifhv@nonFloat%
10018 \ifhv@onlyText#2%
10019 \else%
10020 \ifx\hv@floatType\hv@figure
10021 \ifx\relax#1\relax \figcaption{#2}\else\figcaption{#1}{#2}\fi
10022 \else

```





```

10023      \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
10024      \fi
10025      \fi
10026 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
10027      \fi%
10028      \label{#3}%
10029      \end{minipage}%
10030      }%
10031      }%
10032      \fi%
10033 %%
10034 \restoreCaptionSkip% save old values
10035 \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
10036 \else%
10037 \ifx\hvSet@objectPos\hv@Center
10038 \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
10039 \fi%
10040 \fi%
10041 %
10042 % to rotate object and caption together, we save all in another box
10043 % the caption comes first, if its on the left or the top
10044 %
10045 \savebox{\@tempboxa}{%
10046 \ifx\hvSet@capPos\hv@Left % caption on left side
10047 \ifRTL%
10048 \ifx\hvSet@capVPos\hv@Center%
10049 \ifhv@fbox
10050 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10051 \else
10052 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10053 \fi%
10054 \hspace{\hvSet@floatCapSep pt}%
10055 \ifhv@fbox
10056 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10057 \else
10058 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10059 \fi%
10060 \else%
10061 \ifx\hvSet@capVPos\hv@Top
10062 \ifhv@fbox
10063 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10064 \else
10065 \raisebox{-\height}{\usebox{\hvObjectBox}}%
10066 \fi%
10067 \hspace{\hvSet@floatCapSep pt}%
10068 \ifhv@fbox
10069 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10070 \else
10071 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10072 \fi

```



```

10073 \else
10074 \ifhv@fbox
10075 \fbox{\usebox{\hvObjectBox}}%
10076 \else
10077 \usebox{\hvObjectBox}%
10078 \fi
10079 \hspace{\hvSet@floatCapSep pt}%
10080 \ifhv@fbox
10081 \fbox{\usebox{\hvCaptionBox}}%
10082 \else
10083 \usebox{\hvCaptionBox}%
10084 \fi%
10085 \fi%
10086 \fi%
10087 \else% not RTL
10088 \ifx\hvSet@capVPos\hv@Center%
10089 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10090 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10091 \fi%
10092 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10093 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10094 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
10095 \fi%
10096 \else%
10097 \ifx\hvSet@capVPos\hv@Top % caption at top
10098 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10099 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10100 \fi
10101 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10102 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10103 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
10104 \fi%
10105 \else% caption on bottom
10106 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
10107 \else\usebox{\hvCaptionBox}
10108 \fi%
10109 \hspace{\hvSet@floatCapSep pt}%
10110 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
10111 \else \usebox{\hvObjectBox}
10112 \fi%
10113 \fi%
10114 \fi% end of RTL
10115 \fi%
10116 \else
10117 \ifx\hvSet@capPos\hv@Top
10118 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10119 \begin{minipage}{\wd\hvCaptionBox}
10120 \else
10121 \begin{minipage}{\wd\hvObjectBox}
10122 \fi

```



```

10123 \centering
10124 \ifhv@fbox
10125 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
10126 \fbox{\usebox{\hvObjectBox}}
10127 \else
10128 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
10129 \usebox{\hvObjectBox}
10130 \fi%
10131 \end{minipage}
10132 \else
10133 \ifx\hvSet@capPos\hv@Bottom
10134 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10135 \begin{minipage}{\wd\hvCaptionBox}
10136 \else
10137 \begin{minipage}{\wd\hvObjectBox}
10138 \fi
10139 \centering
10140 \ifhv@fbox
10141 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
10142 \fbox{\usebox{\hvCaptionBox}}
10143 \else
10144 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
10145 \usebox{\hvCaptionBox}
10146 \fi%
10147 \end{minipage}
10148 \else% the last option: put the caption on the right
10149 \if@RTL%
10150 \ifx\hvSet@capVPos\hv@Center%
10151 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10152 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10153 \fi%
10154 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10155 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10156 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}%
10157 \fi%
10158 \else%
10159 \ifx\hvSet@capVPos\hv@Top % caption at top
10160 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10161 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10162 \fi
10163 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10164 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10165 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
10166 \fi%
10167 \else% caption on bottom
10168 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
10169 \else\usebox{\hvCaptionBox}
10170 \fi%
10171 \hspace{\hvSet@floatCapSep pt}%
10172 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}

```



```

10173      \else      \usebox{\hvObjectBox}
10174      \fi%
10175      \fi%
10176      \fi%
10177 \else% not RTL
10178 \ifx\hvSet@capVPos\hv@Center%
10179 \ifhv@fbox
10180 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10181 \else
10182 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10183 \fi%
10184 \hspace{\hvSet@floatCapSep pt}%
10185 \ifhv@fbox
10186 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10187 \else
10188 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10189 \fi%
10190 \else%
10191 \ifx\hvSet@capVPos\hv@Top
10192 \ifhv@fbox
10193 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10194 \else
10195 \raisebox{-\height}{\usebox{\hvObjectBox}}%
10196 \fi%
10197 \hspace{\hvSet@floatCapSep pt}%
10198 \ifhv@fbox
10199 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10200 \else
10201 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10202 \fi
10203 \else
10204 \ifhv@fbox
10205 \fbox{\usebox{\hvObjectBox}}%
10206 \else
10207 \usebox{\hvObjectBox}%
10208 \fi
10209 \hspace{\hvSet@floatCapSep pt}%
10210 \ifhv@fbox
10211 \fbox{\usebox{\hvCaptionBox}}%
10212 \else
10213 \usebox{\hvCaptionBox}%
10214 \fi%
10215 \fi%
10216 \fi
10217 \fi% end of RTL
10218 \fi
10219 \fi
10220 \fi
10221 }% End savebox Object and caption
10222 %

```



```

10223 % now we rotate the object and caption, if needed
10224 %
10225 \ifx\hvSet@rotAngle\hv@Zero
10226 \usebox{\@tempboxa}
10227 \else
10228 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
10229 \fi
10230 \ifhv@nonFloat
10231 \ifx\hvSet@objectPos\hv@Center
10232 \ifhv@nonFloat
10233 \hspace{\fill}
10234 \fi
10235 \fi
10236 \endgroup% End the nonfloat part
10237 \else
10238 \end{\hv@floatType}% End the floating environment
10239 \fi
10240 }

```

## 7.67 hyperref-xetex-bidi.def

```

10241 \ProvidesFile{hyperref-xetex-bidi.def}[2014/11/08 v0.8 bidi adaptations for hyperref package for
10242 \AtBeginDocument{%
10243 \def\contentsline#1#2#3#4{%
10244   \ifx\#4\%
10245     \csname l@#1\endcsname{#2}{#3}%
10246   \else
10247     \ifcase\Hy@linktoc % none
10248       \csname l@#1\endcsname{#2}{#3}%
10249     \or % section
10250       \csname l@#1\endcsname{%
10251         \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
10252       }{#3}%
10253     \or % page
10254       \csname l@#1\endcsname{#2}{#3}%
10255       \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
10256     }%
10257   \else % all
10258     \csname l@#1\endcsname{%
10259       \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
10260     }{%
10261       \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
10262     }%
10263   \fi
10264 \fi
10265 }
10266 \ifHy@hyperfootnotes
10267   \let\H@@footnotetext\@footnotetext
10268   \let\HRTL@@RTLfootnotetext\@RTLfootnotetext
10269   \let\HLTR@@LTRfootnotetext\@LTRfootnotetext

```



```

10270 \def\@xfootnotenext[#1]{%
10271 \begingroup
10272   \csname c@\@mpfn\endcsname #1\relax
10273   \unrestored@protected@xdef\@thefnmark{\thempfn}%
10274 \endgroup
10275 \ifx\@footnotetext\@mpfootnotetext
10276   \expandafter\H@\@mpfootnotetext
10277 \else
10278   \expandafter\H@\@footnotetext
10279 \fi
10280 }%
10281 \def\@xRTLfootnotenext[#1]{%
10282 \begingroup
10283   \csname c@\@mpfn\endcsname #1\relax
10284   \unrestored@protected@xdef\@thefnmark{\thempfn}%
10285 \endgroup
10286 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
10287   \expandafter\HRTL@\@mpRTLfootnotetext
10288 \else
10289   \expandafter\HRTL@\@RTLfootnotetext
10290 \fi
10291 }%
10292 \def\@xLTRfootnotenext[#1]{%
10293 \begingroup
10294   \csname c@\@mpfn\endcsname #1\relax
10295   \unrestored@protected@xdef\@thefnmark{\thempfn}%
10296 \endgroup
10297 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
10298   \expandafter\HLTR@\@mpLTRfootnotetext
10299 \else
10300   \expandafter\HLTR@\@LTRfootnotetext
10301 \fi
10302 }%
10303 \def\@xfootnotemark[#1]{%
10304 \begingroup
10305   \c@footnote #1\relax
10306   \unrestored@protected@xdef\@thefnmark{\thefootnote}%
10307 \endgroup
10308 \H@\@footnotemark
10309 }%
10310 \let\H@\@mpfootnotetext\@mpfootnotetext
10311 \let\HRTL@\@mpRTLfootnotetext\@mpRTLfootnotetext
10312 \let\HLTR@\@mpLTRfootnotetext\@mpLTRfootnotetext
10313 \long\def\@mpfootnotetext#1{%
10314 \H@\@mpfootnotetext{%
10315   \ifHy@nesting
10316     \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10317   \else
10318     \Hy@raisedlink{%
10319       \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%

```



```

10320         }#1%
10321     \fi
10322 }%
10323 }%
10324 \long\def\@mpRTLfootnotetext#1{%
10325     \HRTL@mpRTLfootnotetext{%
10326         \ifHy@nesting
10327             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10328         \else
10329             \Hy@raisedlink{%
10330                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10331             }#1%
10332     \fi
10333 }%
10334 }%
10335 \long\def\@mpLTRfootnotetext#1{%
10336     \HLTR@mpLTRfootnotetext{%
10337         \ifHy@nesting
10338             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10339         \else
10340             \Hy@raisedlink{%
10341                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10342             }#1%
10343     \fi
10344 }%
10345 }%
10346 \long\def\@footnotetext#1{%
10347     \H@@footnotetext{%
10348         \ifHy@nesting
10349             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10350         \else
10351             \Hy@raisedlink{%
10352                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10353             }%
10354             \let\@currentHlabel\Hy@footnote@currentHlabel
10355             \let\@currentHref\Hy@footnote@currentHref
10356             \let\@currentlabelname\@empty
10357             #1%
10358         \fi
10359     }%
10360 }%
10361 \long\def\@RTLfootnotetext#1{%
10362     \HRTL@RTLfootnotetext{%
10363         \ifHy@nesting
10364             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10365         \else
10366             \Hy@raisedlink{%
10367                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10368             }%
10369             \let\@currentHlabel\Hy@footnote@currentHlabel

```



```

10370         \let\@currentHref\Hy@footnote@currentHref
10371         \let\@currentlabelname\@empty
10372         #1%
10373     \fi
10374 }%
10375 }%
10376 \long\def\@LTRfootnotetext#1{%
10377 \HLTR@@LTRfootnotetext{%
10378     \ifHy@nesting
10379         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10380     \else
10381         \Hy@raisedlink{%
10382             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10383         }%
10384         \let\@currentHlabel\Hy@footnote@currentHlabel
10385         \let\@currentHref\Hy@footnote@currentHref
10386         \let\@currentlabelname\@empty
10387         #1%
10388     \fi
10389 }%
10390 }%
10391 \def\@footnotemark{%
10392     \leavevmode
10393     \ifhmode\edef\@x@sf{\the\spacefactor}\nobreak\fi
10394     \stepcounter{Hfootnote}%
10395     \global\let\Hy@saved@currentHlabel\@currentHlabel
10396     \global\let\Hy@saved@currentHref\@currentHref
10397     \hyper@makecurrent{Hfootnote}%
10398     \global\let\Hy@footnote@currentHlabel\@currentHlabel
10399     \global\let\Hy@footnote@currentHref\@currentHref
10400     \global\let\@currentHlabel\Hy@saved@currentHlabel
10401     \global\let\@currentHref\Hy@saved@currentHref
10402     \beginL\hyper@linkstart{link}{\Hy@footnote@currentHref}%
10403     \@makefnmark
10404     \hyper@linkend\endL
10405     \ifhmode\spacefactor\@x@sf\fi
10406     \relax
10407 }%
10408 \@ifpackageloaded{tabularx}{%
10409     \let\HyOrg@TX@endtabularx\TX@endtabularx
10410     \def\Hy@tabularx@hook{%
10411         \let\@footnotetext\H@@footnotetext
10412         \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
10413         \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
10414         \let\@footnotemark\H@@footnotemark
10415         \let\@mpfootnotetext\H@@mpfootnotetext
10416         \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
10417         \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
10418     }%
10419     \begingroup

```





```

10420     \toks@\expandafter{\TX@endtabularx}%
10421     \xdef\Hy@gtemp{%
10422         \noexpand\Hy@tabularx@hook
10423         \the\toks@
10424     }%
10425     \endgroup
10426     \let\TX@endtabularx\Hy@gtemp
10427 }{}%
10428 \@ifpackageloaded{longtable}{%
10429     \CheckCommand*{\LT@p@LTRftntext}[1]{%
10430         \edef\@tempa{%
10431             \the\LT@p@ftn
10432             \noexpand\LTRfootnotetext[\the\c@footnote]%
10433         }%
10434         \global\LT@p@ftn\expandafter{\@tempa{#1}}%
10435     }%
10436     \long\def\LT@p@LTRftntext#1{%
10437         \edef\@tempa{%
10438             \the\LT@p@ftn
10439             \begingroup
10440                 \noexpand\c@footnote=\the\c@footnote\relax
10441                 \noexpand\protected@xdef\noexpand\@thefnmark{%
10442                     \noexpand\thempfn
10443                 }%
10444                 \noexpand\Hy@LT@LTRfootnotetext{%
10445                     \Hy@footnote@currentHref
10446                 }%
10447             }%
10448             \global\LT@p@ftn\expandafter{
10449                 \@tempa{#1}%
10450             }%
10451         }%
10452     }%
10453     \long\def\Hy@LT@LTRfootnotetext#1#2{%
10454         \HLTR@@LTRfootnotetext{%
10455             \ifHy@nesting
10456                 \hyper@@anchor{#1}{#2}%
10457             \else
10458                 \Hy@raisedlink{%
10459                     \hyper@@anchor{#1}{\relax}%
10460                 }%
10461                 \def\@currentHref{#1}%
10462                 \let\@currentlabelname\@empty
10463                 #2%
10464             \fi
10465         }%
10466     }%
10467     \CheckCommand*{\LT@p@RTLftntext}[1]{%
10468         \edef\@tempa{%
10469             \the\LT@p@ftn

```



```

10470         \noexpand\RTLfootnotetext[\the\c@footnote]%
10471     }%
10472     \global\LT@p@ftn\expandafter{\@tempa{#1}}%
10473 }%
10474 \long\def\LT@p@RTLftntext#1{%
10475     \edef\@tempa{%
10476         \the\LT@p@ftn
10477         \beginngroup
10478             \noexpand\c@footnote=\the\c@footnote\relax
10479             \noexpand\protected@xdef\noexpand\@thefnmark{%
10480                 \noexpand\thempfn
10481             }%
10482             \noexpand\Hy@LT@RTLfootnotetext{%
10483                 \Hy@footnote@currentHref
10484             }%
10485         }%
10486     \global\LT@p@ftn\expandafter{%
10487         \@tempa{#1}%
10488     \endgroup
10489     }%
10490 }%
10491 \long\def\Hy@LT@RTLfootnotetext#1#2{%
10492     \HRTL@RTLfootnotetext{%
10493         \ifHy@nesting
10494             \hyper@@anchor{#1}{#2}%
10495         \else
10496             \Hy@raisedlink{%
10497                 \hyper@@anchor{#1}{\relax}%
10498             }%
10499             \def\@currentHref{#1}%
10500             \let\@currentlabelname\@empty
10501             #2%
10502         \fi
10503     }%
10504 }%
10505 }{}%
10506 \ifpackageloaded{bidipoem}{%
10507     \long\def\bidipoem@p@ftntext#1{%
10508         \edef\@tempx{%
10509             \the\bidipoem@p@ftn
10510             \beginngroup
10511                 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
10512                 \noexpand\protected@xdef\noexpand\@thefnmark{%
10513                     \noexpand\thempfn
10514                 }%
10515                 \noexpand\Hy@bidipoem@footnotetext{%
10516                     \Hy@footnote@currentHref
10517                 }%
10518             }%
10519     \global\bidipoem@p@ftn\expandafter{%

```



```

10520         \@temp{#1}%
10521     \endgroup
10522 }%
10523 }%
10524 \long\def\Hy@bidipoem@footnotetext#1#2{%
10525     \H@@footnotetext{%
10526         \ifHy@nesting
10527             \hyper@@anchor{#1}{#2}%
10528         \else
10529             \Hy@raisedlink{%
10530                 \hyper@@anchor{#1}{\relax}%
10531             }%
10532             \def\@currentHref{#1}%
10533             \let\@currentlabelname\@empty
10534             #2%
10535         \fi
10536     }%
10537 }%
10538 \long\def\bidipoem@p@LTRftntext#1{%
10539     \edef\@tempxi{%
10540         \the\bidipoem@p@ftn
10541         \begingroup
10542         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
10543         \noexpand\protected@xdef\noexpand\@thefnmark{%
10544             \noexpand\thempfn
10545         }%
10546         \noexpand\Hy@bidipoem@LTRfootnotetext{%
10547             \Hy@footnote@currentHref
10548         }%
10549     }%
10550     \global\bidipoem@p@ftn\expandafter{%
10551         \@tempxi{#1}%
10552     \endgroup
10553 }%
10554 }%
10555 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
10556     \HLTR@@LTRfootnotetext{%
10557         \ifHy@nesting
10558             \hyper@@anchor{#1}{#2}%
10559         \else
10560             \Hy@raisedlink{%
10561                 \hyper@@anchor{#1}{\relax}%
10562             }%
10563             \def\@currentHref{#1}%
10564             \let\@currentlabelname\@empty
10565             #2%
10566         \fi
10567     }%
10568 }%
10569 \long\def\bidipoem@p@RTLftntext#1{%

```



```

10570 \edef\@tempxiif{%
10571 \the\bidipoem@p@ftn
10572 \begingroup
10573 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
10574 \noexpand\protected@xdef\noexpand\@thefnmark{%
10575 \noexpand\thempfn
10576 }%
10577 \noexpand\Hy@bidipoem@RTLfootnotetext{%
10578 \Hy@footnote@currentHref
10579 }%
10580 }%
10581 \global\bidipoem@p@ftn\expandafter{%
10582 \@tempxiif{#1}%
10583 \endgroup
10584 }%
10585 }%
10586 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{%
10587 \HRTL@RTLfootnotetext{%
10588 \ifHy@nesting
10589 \hyper@@anchor{#1}{#2}%
10590 \else
10591 \Hy@raisedlink{%
10592 \hyper@@anchor{#1}{\relax}%
10593 }%
10594 \def\@currentHref{#1}%
10595 \let\@currentlabelname\@empty
10596 #2%
10597 \fi
10598 }%
10599 }%
10600 }{}%
10601 \let\HyOrg@maketitle\maketitle
10602 \def\maketitle{%
10603 \let\Hy@saved@footnotemark\@footnotemark
10604 \let\Hy@saved@footnotetext\@footnotetext
10605 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
10606 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
10607 \let\@footnotemark\H@@footnotemark
10608 \let\@footnotetext\H@@footnotetext
10609 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
10610 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
10611 \@ifnextchar[\Hy@maketitle@optarg{% ]
10612 \HyOrg@maketitle
10613 \Hy@maketitle@end
10614 }%
10615 }%
10616 \def\Hy@maketitle@optarg[#1]{%
10617 \HyOrg@maketitle[#{1}]%
10618 \Hy@maketitle@end
10619 }%

```



```

10620 \def\Hy@maketitle@end{%
10621   \ifx\@footnotemark\H@@footnotemark
10622     \let\@footnotemark\Hy@saved@footnotemark
10623   \fi
10624   \ifx\@footnotetext\H@@footnotetext
10625     \let\@footnotetext\Hy@saved@footnotetext
10626   \fi
10627   \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
10628     \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
10629   \fi
10630   \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
10631     \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
10632   \fi
10633 }%
10634 \def\realfootnote{%
10635   \@ifnextchar[\@xfootnote{%
10636     \stepcounter{\@mpfn}%
10637     \protected@xdef\@thefnmark{\thempfn}%
10638     \H@@footnotemark\H@@footnotetext
10639   }%
10640 }%
10641 \fi
10642 \def\hyper@link#1#2#3{%
10643   \ifmmode\else\beginL\fi\hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\endL\fi
10644 }
10645 \def\url@#1{\beginL\hyper@linkurl{\Hurl{#1}}{#1}\endL}
10646 \def\hyper@natlinkstart#1{%
10647   \Hy@backout{#1}%
10648   \beginL\hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
10649   \def\hyper@nat@current{#1}%
10650 }
10651 \def\hyper@natlinkend{%
10652   \if@RTL\endR\fi\hyper@linkend\endL
10653 }
10654 \def\hyper@natlinkbreak#1#2{%
10655   \if@RTL\endR\fi\hyper@linkend\endL#1\beginL\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
10656 }%
10657 }
10658 \begingroup
10659   \catcode`\$=6 %
10660   \catcode`\#=12 %
10661   \gdef\href$1{\expandafter\href@split$1#\}%
10662   \gdef\href@split$1#$2#$3\$\$4{%
10663     \beginL\hyper@@link{$1}{$2}{\if@RTL\beginR\fi$4\if@RTL\endR\fi}\endL%
10664   \endgroup
10665 }%
10666 \endgroup
10667 \pdfstringdefDisableCommands{%
10668   \let\LR@firstofone
10669   \let\LR@firstofone

```



```

10670 \let\RL\@firstofone
10671 \let\RL\@firstofone
10672 \def\XeTeX{Xe\TeX}
10673 \def\XeLaTeX{Xe\LaTeX}
10674 }
10675 \ifpackageloaded{longtable}{%
10676   \begingroup
10677     \def\y{LT@array}%
10678     \@ifundefined{scr@LT@array}{%
10679       \@ifundefined{adl@LT@array}{\def\y{adl@LT@array}}%
10680     }{\def\y{scr@LT@array}}%
10681     \long\def\x\refstepcounter#1#2\sharp#3#4\nil{%
10682       \expandafter\endgroup
10683       \expandafter\def\y[##1]##2{%
10684         \H@refstepcounter{#1}%
10685         \hyper@makecurrent{table}%
10686         \let\Hy@LT@currentHref\@currentHref
10687         #2\sharp####4%
10688       }%
10689     }%
10690     \expandafter\expandafter\expandafter\x\y[##1][##2]\nil
10691     \begingroup
10692       \def\x#1\ifvoid\LT@foot#2\fi#3\nil{%
10693         \endgroup
10694         \def\LT@start{%
10695           #1%
10696           \ifvoid\LT@foot#2\fi
10697           \let\@currentHref\Hy@LT@currentHref
10698           \Hy@raisedlink{%
10699             \hyper@anchorstart{\@currentHref}\hyper@anchorend
10700           }%
10701           #3%
10702         }%
10703       }%
10704       \expandafter\x\LT@start\nil
10705 }{}

```

## 7.68 leqno-xetex-bidi.def

```

10706 \ProvidesFile{leqno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for leqno tag for XeTeX eng
10707 \renewcommand\@eqnnum{\hb@xt@.01\p@}%
10708         \rlap{
10709         \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\i

```

## 7.69 letter-xetex-bidi.def

```

10710 \ProvidesFile{letter-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for standard letter class
10711 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
10712   \thispagestyle{firstpage}%
10713   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
10714   \else % home address

```



```

10715 \thispagestyle{empty}%
10716 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
10717 \fromaddress \*[2\parskip]%
10718 \@date \end{tabular}\par}%
10719 \fi
10720 \vspace{2\parskip}%
10721 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
10722 \vspace{2\parskip}%
10723 #1\par\nobreak}
10724 \renewcommand\left@footnoterule{%
10725 \kern-\p@
10726 \hrule \@width .4\columnwidth
10727 \kern .6\p@}
10728 \renewcommand\right@footnoterule{%
10729 \hbox to \columnwidth
10730 {\beginR \vbox{%
10731 \kern-\p@
10732 \hrule \@width .4\columnwidth
10733 \kern .6\p@}\hfil\endR}}

```

## 7.70 lettrine-xetex-bidi.def

```

10734 \ProvidesFile{lettrine-xetex-bidi.def}[2014/09/19 v0.4 bidi adaptations for lettrine package for
10735 \def\@lettrine[#1]#2#3{%
10736 \setcounter{L@lines}{\theDefaultLines}%
10737 \setcounter{L@depth}{\theDefaultDepth}%
10738 \renewcommand*{\L@hang}{\DefaultLhang}%
10739 \renewcommand*{\L@oversize}{\DefaultLoversize}%
10740 \renewcommand*{\L@raise}{\DefaultLraise}%
10741 \renewcommand*{\L@ante}{}%
10742 \setlength{\L@Findent}{\DefaultFindent}%
10743 \setlength{\L@Nindent}{\DefaultNindent}%
10744 \setlength{\L@slope}{\DefaultSlope}%
10745 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
10746 \if\DefaultOptionsFile\relax
10747 \else
10748 \begingroup
10749 \InputIfFileExists{\DefaultOptionsFile}%
10750 {}%
10751 {\PackageWarning{lettrine.sty}%
10752 {File \DefaultOptionsFile\space not found}%
10753 }%
10754 \def\color##1##{\l@color{##1}}%
10755 \let\l@color\@gobbletwo
10756 \def\textcolor##1##{\l@textcolor{##1}}%
10757 \def\l@textcolor##1##2##3{##3}%
10758 \expandafter\ifx\csname l@#2-keys\endcsname\relax
10759 \gdef\l@LOKeys{}%
10760 \else
10761 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%

```



```

10762         \fi
10763     \endgroup
10764     \def\KV@prefix{KV@L@}%
10765     \let\@tempc\relax
10766     \expandafter\KV@do\l@LOKeys,\relax,
10767     \sbox{\L@lbox}{\LettrineFont #2}%
10768     \setlength{\LettrineWidth}{\wd\L@lbox}%
10769     \def\KV@prefix{KV@L@}%
10770     \let\@tempc\relax
10771     \expandafter\KV@do\l@LOKeys,\relax,
10772     \fi
10773     \setkeys{L}{#1}%
10774     \ifL@image
10775         \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
10776     \else
10777         \sbox{\L@lbox}{\LettrineFont #2}%
10778     \fi
10779     \sbox{\L@tbox}{\LettrineTextFont{#3}}%
10780     \@tempdima=\baselineskip
10781     \ifnum\theL@lines=1
10782         \setlength{\L@first}{\ht\L@lbox}%
10783         \addtolength{\L@first}{-\ht\L@tbox}%
10784         \setlength{\L@lraise}{\z@}%
10785     \else
10786         \setlength{\L@first}{-\theL@lines\@tempdima}%
10787         \addtolength{\L@first}{\@tempdima}%
10788         \sbox{\@tempboxa}{\LettrineTextFont x}%
10789         \addtolength{\L@first}{-\ht\@tempboxa}%
10790         \setlength{\L@lraise}{-\L@raise\L@first}%
10791         \addtolength{\L@first}{\L@lraise}%
10792         \addtolength{\L@first}{\ht\L@lbox}%
10793         \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
10794         \addtolength{\L@lraise}{\@tempdima}%
10795     \fi
10796     \par
10797     \ifdim\L@first>0.2\p@\vskip\L@first\fi
10798     \setlength{\L@Pindent}{\wd\L@lbox}%
10799     \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
10800     \settowidth{\L@first}{\L@ante}%
10801     \addtolength{\L@Pindent}{\L@first}%
10802     \addtolength{\L@Pindent}{\L@Findent}%
10803     \setlength{\L@first}{\linewidth}%
10804     \addtolength{\L@first}{-\L@Pindent}%
10805     \addtolength{\L@Nindent}{\L@Pindent}%
10806     \setlength{\L@next}{\linewidth}%
10807     \addtolength{\L@next}{-\L@Nindent}%
10808     \addtolength{\L@Pindent}{\rightmargin}%
10809     \addtolength{\L@Nindent}{\rightmargin}%
10810     \setlength{\LettrineWidth}{\wd\L@lbox}%
10811     \setlength{\LettrineHeight}{\ht\L@lbox}%

```





```

10812 \setlength{\LettrineDepth}{\dp\L@lbox}%
10813 \addtocounter{L@lines}{1}%
10814 \addtocounter{L@lines}{\the\c@L@depth}%
10815 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pin
10816 \@tempcnta=\tw@
10817 \@whilenum \@tempcnta<\c@L@lines\do{%
10818   \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the\
10819     \addtolength{\L@Nindent}{\L@slope}%
10820     \addtolength{\L@next}{-\L@slope}%
10821     \advance\@tempcnta\@ne}%
10822 \ifRTL \edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \ri
10823 \noindent
10824 \parshape=\L@parshape\relax
10825 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
10826   \hskip \the\L@Findent}}%
10827 \usebox{\L@tbox}%
10828 }

```

## 7.71 listings-xetex-bidi.def

```

10829 \ProvidesFile{listings-xetex-bidi.def}[2014/07/19 v0.6 bidi adaptations for listings package for
10830 \lstKey{captiondirection}{textdirection}{%
10831   \lstKV@SwitchCases{#1}%
10832   {textdirection&\\%
10833     RTL&\chardef\bidi@lst@caption@direction\@ne\\%
10834     LTR&\chardef\bidi@lst@caption@direction\@z}%
10835   }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
10836 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
10837   \ifundefined{bidi@lst@caption@direction}{}%
10838   \ifnum\bidi@lst@caption@direction=\@z%
10839     #1%
10840   \else%
10841     \ifnum\bidi@lst@caption@direction=\@ne%
10842       #2%
10843     \fi%
10844   \fi%
10845 }}
10846 \long\def\bidi@lst@makecaption#1#2{%
10847   \vskip\abovecaptionskip
10848   \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
10849   \sbox\@tempboxa{%
10850     \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
10851     #1: #2%
10852     \bidi@lst@ensure@caption@direction{\endL}{\endR}%
10853   }%
10854   \ifdim \wd\@tempboxa >\hsize
10855     #1: #2\par
10856   \else
10857     \global \@minipagefalse
10858     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%

```



```

10859 \fi
10860 \vskip\belowcaptionskip}%
10861 \def\lst@makecaption{\@bidi@lst@makecaption}
10862 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
10863 \AtBeginDocument{%
10864 \ifundefined{captionlabelfalse}{\{}{%
10865 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}}%
10866 \ifundefined{caption@startrue}{\{}{%
10867 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}}%
10868 }
10869 \AtBeginDocument{
10870 \ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{\}
10871 \lst@ifnumberbychapter
10872 \gdef\thelstlisting%
10873 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
10874 \else
10875 \gdef\thelstlisting{\@arabic\c@lstlisting}
10876 \fi}

```

## 7.72 loadingorder-xetex-bidi.def

```

10877 \ProvidesFile{loadingorder-xetex-bidi.def}[2013/05/22 v0.95 making sure that bidi is the last pa
10878 \bidi@isloaded{amsmath}
10879 \bidi@isloaded{amstext}
10880 \bidi@isloaded{amsthm}
10881 \bidi@isloaded{breqn}
10882 \bidi@isloaded{cals}
10883 \bidi@isloaded{caption}
10884 \bidi@isloaded{crop}
10885 \bidi@isloaded{cuted}
10886 \bidi@isloaded{cutwin}
10887 \bidi@isloaded{color}
10888 \bidi@isloaded{dblfnote}
10889 \bidi@isloaded{xcolor}
10890 \bidi@isloaded{colortbl}
10891 \bidi@isloaded{float}
10892 \bidi@isloaded{floatrow}
10893 \bidi@isloaded{flowfram}
10894 \bidi@isloaded{framed}
10895 \bidi@isloaded{ftnright}
10896 \bidi@isloaded{xltextra}
10897 \bidi@isloaded{xunicode}
10898 \bidi@isloaded{wrapfig}
10899 \bidi@isloaded{graphicx}
10900 \bidi@isloaded{geometry}
10901 \bidi@isloaded{hvfloat}
10902 \bidi@isloaded{mdframed}
10903 \bidi@isloaded{midfloat}
10904 \bidi@isloaded{ntheorem}
10905 \bidi@isloaded{ntheorem-hyper}

```



```

10906 \bidi@isloaded{hyperref}
10907 \bidi@isloaded{fancybox}
10908 \bidi@isloaded{fancyhdr}
10909 \bidi@isloaded{fix2col}
10910 \bidi@isloaded{draftwatermark}
10911 \bidi@isloaded{empheq}
10912 \bidi@isloaded{pdfpages}
10913 \bidi@isloaded{listings}
10914 \bidi@isloaded{lettrine}
10915 \bidi@isloaded{pstricks}
10916 \bidi@isloaded{pgf}
10917 \bidi@isloaded{picinpar}
10918 \bidi@isloaded{quotchap}
10919 \bidi@isloaded{tikz}
10920 \bidi@isloaded{titlesec}
10921 \bidi@isloaded{titletoc}
10922 \bidi@isloaded{array}
10923 \bidi@isloaded{stabular}
10924 \bidi@isloaded{subfig}
10925 \bidi@isloaded{subfigure}
10926 \bidi@isloaded{supertabular}
10927 \bidi@isloaded{xtab}
10928 \bidi@isloaded{longtable}
10929 \bidi@isloaded{arydshln}
10930 \bidi@isloaded{multicol}
10931 \bidi@isloaded{multienum}
10932 \bidi@isloaded{minitoc}
10933 \bidi@isloaded{natbib}
10934 \bidi@isloaded{newfloat}
10935 \bidi@isloaded{ragged2e}
10936 \bidi@isloaded{rotating}
10937 \bidi@isloaded{tbls}
10938 \bidi@isloaded{tabulary}
10939 \bidi@isloaded{tocstyle}
10940 \bidi@isloaded{tocbibind}
10941 \bidi@isloaded{fontspec}
10942 \bidi@isloaded{arabxetex}
10943 \bidi@isloaded{polyglossia}
10944 \bidi@isloaded{fancyvrb}
10945 \AtBeginDocument{
10946   \if@bidi@amsmathloaded@ \else
10947     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. P
10948   \fi%
10949   \if@bidi@amstextloaded@ \else
10950     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. P
10951   \fi%
10952   \if@bidi@amsthmloaded@ \else
10953     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. P
10954   \fi%
10955   \if@bidi@breqnloaded@ \else

```



```

10956 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Ple
10957 \fi%
10958 \if@bidi@calsloaded@else
10959 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Plea
10960 \fi%
10961 \if@bidi@captionloaded@else
10962 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. P
10963 \fi%
10964 \if@bidi@croploded@else
10965 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Plea
10966 \fi%
10967 \if@bidi@colorloaded@else
10968 \@ifpackageloaded{hyperref}{\fi%
10969 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Ple
10970 \fi%
10971 \if@bidi@cutwinloaded@else
10972 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. PL
10973 \fi%
10974 \if@bidi@cutedloaded@else
10975 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Ple
10976 \fi%
10977 \if@bidi@dblfnoteloaded@else
10978 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
10979 \fi%
10980 \if@bidi@xcolorloaded@else
10981 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. PL
10982 \fi%
10983 \if@bidi@colortblloaded@else
10984 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
10985 \fi%
10986 \if@bidi@floatloaded@else
10987 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Ple
10988 \fi%
10989 \if@bidi@floatrowloaded@else
10990 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
10991 \fi%
10992 \if@bidi@flowframloaded@else
10993 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
10994 \fi%
10995 \if@bidi@framedloaded@else
10996 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. PL
10997 \fi%
10998 \if@bidi@ftnrightloaded@else
10999 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
11000 \fi%
11001 \if@bidi@xltxtalloaded@else
11002 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxta after bidi package. P
11003 \fi%
11004 \if@bidi@xunicodeloaded@else
11005 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.

```



```

11006 \fi%
11007 \if@bidi@wrapfigloaded@else
11008 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. P
11009 \fi%
11010 \if@bidi@graphicxloaded@else
11011 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.
11012 \fi%
11013 \if@bidi@geometryloaded@else
11014 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.
11015 \fi%
11016 \if@bidi@hvfloatloaded@else
11017 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package. P
11018 \fi%
11019 \if@bidi@mdframedloaded@else
11020 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
11021 \fi%
11022 \if@bidi@midfloatloaded@else
11023 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
11024 \fi%
11025 \if@bidi@ntheoremloaded@else
11026 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
11027 \fi%
11028 \if@bidi@hyperrefloaded@else
11029 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
11030 \fi%
11031 \if@bidi@fancyboxloaded@else
11032 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
11033 \fi%
11034 \if@bidi@fancyhdrloaded@else
11035 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
11036 \fi%
11037 \if@bidi@draftwatermarkloaded@else
11038 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pa
11039 \fi%
11040 \if@bidi@empheqloaded@else
11041 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. P
11042 \fi%
11043 \if@bidi@pdfpagesloaded@else
11044 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
11045 \fi%
11046 \if@bidi@lettrineloaded@else
11047 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
11048 \fi%
11049 \if@bidi@listingsloaded@else
11050 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
11051 \fi%
11052 \if@bidi@pstricksloaded@else
11053 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
11054 \fi%
11055 \if@bidi@pgfloaded@else

```



```

11056 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
11057 \fi%
11058 \if@bidi@picinparloaded@else
11059 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.
11060 \fi%
11061 \if@bidi@quotchaploaded@else
11062 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package.
11063 \fi%
11064 \if@bidi@tikzloaded@else
11065 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Pleas
11066 \fi%
11067 \if@bidi@titlesecloaded@else
11068 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
11069 \fi%
11070 \if@bidi@titletocloaded@else
11071 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
11072 \fi%
11073 \if@bidi@arrayloaded@else
11074 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
11075 \fi%
11076 \if@bidi@stabularloaded@else
11077 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
11078 \fi%
11079 \if@bidi@subfigloaded@else
11080 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. Pl
11081 \fi%
11082 \if@bidi@subfigureloaded@else
11083 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package
11084 \fi%
11085 \if@bidi@supertabularloaded@else
11086 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi pack
11087 \fi%
11088 \if@bidi@xtabloaded@else
11089 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Pleas
11090 \fi%
11091 \if@bidi@longtableloaded@else
11092 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package
11093 \fi%
11094 \if@bidi@arydshlnloaded@else
11095 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
11096 \fi%
11097 \if@bidi@multicolloaded@else
11098 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
11099 \fi%
11100 \if@bidi@multienumloaded@else
11101 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package
11102 \fi%
11103 \if@bidi@minitocloaded@else
11104 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. F
11105 \fi%

```



```

11106 \if@bidi@natbibloaded@else
11107 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. Pl
11108 \fi%
11109 \if@bidi@newfloatloaded@else
11110 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
11111 \fi%
11112 \csname if@bidi@ragged2eloaded@endcsname\else
11113 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
11114 \fi%
11115 \if@bidi@rotatingloaded@else
11116 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
11117 \fi%
11118 \if@bidi@tabslloaded@else
11119 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabs after bidi package. Pl
11120 \fi%
11121 \if@bidi@tabularyloaded@else
11122 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package.
11123 \fi%
11124 \if@bidi@tocstyleloaded@else
11125 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
11126 \fi%
11127 \if@bidi@tocbibindloaded@else
11128 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package
11129 \fi%
11130 \if@bidi@fontspecloaded@else
11131 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
11132 \fi%
11133 \if@bidi@arabxetexloaded@else
11134 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package
11135 \fi%
11136 \if@bidi@polyglossialloaded@else
11137 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packa
11138 \fi%
11139 \if@bidi@fancyvrbloaded@else
11140 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
11141 \fi%
11142 }

```

## 7.73 longtable-xetex-bidi.def

```

11143 \ProvidesFile{longtable-xetex-bidi.def}[2013/04/01 v0.3 bidi adaptations for longtable package f
11144 \def\LT@array[#1]#2{%
11145 \refstepcounter{table}\stepcounter{LT@tables}%
11146 \if l#1%
11147 \if@RTLtab\LTleft\fill \LTright\z@else\LTleft\z@ \LTright\fill\fi
11148 \else\if r#1%
11149 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
11150 \else\if c#1%
11151 \LTleft\fill \LTright\fill
11152 \fi\fi\fi

```



```

11153 \let\LT@mccl\multicolumn
11154 \let\LT@ctabarray\@tabarray
11155 \let\LT@chl\hline
11156 \def\@tabarray{%
11157   \let\hline\LT@chl
11158   \LT@ctabarray}%
11159 \let\LT@tabularcr\let\@tabularnewline\%
11160 \def\newpage{\noalign{\break}}%
11161 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
11162 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk4}}%
11163 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
11164 \@tempdima\ht\strutbox
11165 \let\@endpbox\LT@endpbox
11166 \ifx\extrarowheight\@undefined
11167   \let\@acol\@tabacol
11168   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
11169   \def\@startpbox{\vtop\LT@startpbox}%
11170   \let\@startpbox\@startpbox
11171   \let\@endpbox\@endpbox
11172   \let\LT@LL@FM@cr\@tabularcr
11173 \else
11174   \advance\@tempdima\extrarowheight
11175   \col@sep\@tabcolsep
11176   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
11177 \fi
11178 \setbox\@arstrutbox\hbox{\vrule
11179   \@height \arraystretch \@tempdima
11180   \@depth \arraystretch \dp \strutbox
11181   \@width \z@}%
11182 \let\@sharp##\let\protect\relax
11183 \begingroup
11184   \mkpream{#2}%
11185   \xdef\LT@bchunk{%
11186     \global\advance\c@LT@chunks\@ne
11187     \global\LT@rows\z@\setbox\z@\vbox\bgroup
11188     \LT@setprevdepth
11189     \tabskip\LTleft \noexpand\halign to\hsize\bgroup
11190     \tabskip\z@ \@arstrut \@preamble \tabskip\LTright \cr}%
11191 \endgroup
11192 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
11193 \LT@make@row
11194 \m@th\let\par\@empty
11195 \everycr{\lineskip\z@\baselineskip\z@
11196 \LT@bchunk}
11197 \def\LT@makecaption#1#2#3{%
11198 \LT@mccl\LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
11199   \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
11200   \ifdim\wd\@tempboxa>\hsize
11201     #1{#2: }#3%
11202   \else

```





```

11203     \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
11204     \fi
11205     \endgraf\vskip\baselineskip}%
11206   \hss}}}}
11207 \def\LT@startpbox#1{%
11208   \bgroup
11209   \let\@footnotetext\LT@p@ftntext
11210   \let\@LTRfootnotetext\LT@p@LTRftntext
11211   \let\@RTLfootnotetext\LT@p@RTLftntext
11212   \setlength\hsize{#1}%
11213   \@arrayparboxrestore
11214   \vrule \@height \ht\@arstrutbox \@width \z@}
11215 \def\LT@p@LTRftntext#1{%
11216   \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]]}%
11217   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
11218 \def\LT@p@RTLftntext#1{%
11219   \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]]}%
11220   \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

## 7.74 mdframed-xetex-bidi.def

```

11221 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for
11222 \newif\if@bidi@mdf@RTL
11223 \def\mdf@lrbox#1{%
11224   \mdf@patchamsthm\patch amsthm
11225   \if@RTL\@bidi@mdf@RTLtrue\fi%
11226   \@RTLfalse%
11227   \setbox#1\vbox\bgroup%
11228   \color@begingroup%
11229   \if@bidi@mdf@RTL\@RTLtrue\fi%
11230   \mdf@horizontalmargin@equation%
11231   \columnwidth=\hsize%
11232   \textwidth=\hsize%
11233   \let\if@nobreak\iffalse%
11234   \let\if@noskipsec\iffalse%
11235   \let\par\@par%
11236   \let\-\@dischyph%
11237   \let'\@acci\let\`\@accii\let\=\@acciii%
11238   \parindent\z@ \parskip\z@skip%
11239   \linewidth\hsize%
11240   \@totalleftmargin\z@%
11241   \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
11242   \parfillskip\@flushglue \lineskip\normallineskip%
11243   \baselineskip\normalbaselineskip%
11244   %% \sloppy%
11245   \let\\\@normalcr%
11246   \mdf@par@local%New feature to restore parskip/parindent local in save box
11247   \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
11248   \@afterindentfalse%
11249   %\@afterheading%

```



```

11250 }
11251 \renewrobustcmd\mdfframetitleenv[1]{%
11252   \mdf@lrbox{\mdf@frametitlebox}%
11253   \mdf@frametitlealignment%
11254   \leavevmode{\color{\mdf@frametitlefontcolor}%
11255     \normalfont\mdf@frametitlefont{#1}
11256     \ifbool{mdf@ignorelastdescenders}%
11257       {%
11258         \par\strut\par
11259         \unskip\unskip\setbox0=\lastbox
11260         \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
11261       }{}}%
11262 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi}%
11263 \endmdf@lrbox\relax%
11264 \mdf@ignorevbadness%
11265 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
11266 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
11267 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
11268 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
11269 \mdfframetitleboxtotalheight=\dimexpr
11270   \ht\mdf@frametitlebox
11271   +\dp\mdf@frametitlebox%
11272   +\mdf@frametitleaboveskip@length
11273   +\mdf@frametitlebelowskip@length
11274   \relax%
11275 }
11276
11277 \renewrobustcmd*\mdf@footnoteoutput{%
11278   \ifvoid\@mpfootins\else%
11279     \nobreak%
11280     \vskip\mdf@footnotedistance@length%
11281     \normalcolor%
11282     \bidi@mpfootnoterule%
11283     \unvbox\@mpfootins%
11284   \fi%
11285 }
11286
11287
11288 \renewrobustcmd*\mdf@footnoteinput{%
11289   \def\@mpfn{mpfootnote}%
11290   \def\thempfn{\thempfootnote}%
11291   \c@mpfootnote\z@%
11292   \let\@footnotetext\@mpfootnotetext%
11293   \let\@LTRfootnotetext\@mpLTRfootnotetext%
11294   \let\@RTLfootnotetext\@mpRTLfootnotetext%
11295 }

```

## 7.75 memoir-xetex-bidi.def

11296 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]



```

11297 \renewcommand{\keepthetitle}{%
11298   \@bsmtitleempty
11299   \global\let\thanks\relax
11300   \global\let\LTRthanks\relax
11301   \global\let\RTLthanks\relax
11302   \global\let\and\relax
11303   \global\let\andnext\relax
11304   \global\let\@thanks\@empty
11305   \global\let\@title\@empty
11306   \global\let\@author\@empty
11307   \global\let\@date\@empty}
11308 \renewcommand{\maketitle}{\par
11309   \begingroup
11310     \@bsmarkseries
11311     \def\@makefnmark{\@textsuperscript{%
11312       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
11313     \long\def\@makefntext##1{\makethanksmark ##1}
11314     \if@twocolumn
11315       \ifnum \col@number=\@ne
11316         \@maketitle
11317       \else
11318         \twocolumn[\@maketitle]%
11319       \fi
11320     \else
11321       \ifdim\pagetotal>z@
11322         \newpage
11323       \fi
11324       \global\@topnum\z@
11325       \@maketitle
11326     \fi
11327     \thispagestyle{title}\@thanks
11328   \endgroup
11329   \@bscontmark % \setcounter{footnote}{0}%
11330 }
11331 \renewcommand*{\memRTLleftskip}{\if@RTL\rightskip\else\leftskip\fi}
11332 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\rightskip\fi}
11333 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
11334 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
11335 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
11336 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
11337 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
11338 \renewcommand*{\thesubsection}{%
11339   \thesection\@SepMark\@arabic\c@subsection}
11340 \renewcommand*{\thesubsubsection}{%
11341   \thesubsection\@SepMark\@arabic\c@subsubsection}
11342 \renewcommand*{\theparagraph}{%
11343   \thesubsubsection\@SepMark\@arabic\c@paragraph}
11344 \renewcommand*{\thesubparagraph}{%
11345   \theparagraph\@SepMark\@arabic\c@subparagraph}
11346 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}

```



```

11347 \renewcommand{\theequation}{%
11348   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11349 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
11350 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
11351 \ifartopt
11352   \chapterstyle{article}
11353   \counterwithout{figure}{chapter}
11354   \counterwithout{table}{chapter}
11355   \counterwithout{footnote}{chapter}
11356   \counterwithout{equation}{chapter}
11357   \renewcommand{\chaptername}{\fi}
11358   \renewcommand{\maketitlehookb}{%
11359     \vskip -1.5\topsep\vskip -1.5\partopsep}
11360   \renewcommand{\maketitlehookc}{%
11361     \vskip -1.5\topsep\vskip -1.5\partopsep}
11362 \fi
11363 \long\def\@makecaption#1#2{\let\@memtempa\relax
11364   \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
11365   \else \def\@memtempa{\vbox to\topskip{}}\fi
11366   \let\@contfnote\footnote \renewcommand{\footnote}[2][]{\fi}
11367   \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1][]{\fi}
11368   \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
11369   \let\footnote\@contfnote
11370   \let\footnotemark\@contfmark
11371   \ifdim\wd\@tempboxa<\linewidth \centering \fi
11372   \if@contcw
11373     \centering
11374     \parbox{\@contcwidth}{%
11375       \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
11376     \fi
11377   \ifdim\wd\@tempboxa<\linewidth
11378     \@contpre
11379     {\@contnfont #1\@contdelim}\@memtempa
11380     {\@contcshortstyle \@conttfont #2\@contfinal\par}
11381   \else
11382     \if@conthang
11383       \sbox\@tempboxa{\@contnfont #1\@contdelim}
11384       \@contpre%
11385       {\@contcstyle\hangindent=\wd\@tempboxa
11386         \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
11387     \else
11388       \if@contindent
11389         \@contpre%
11390         {\@contnfont #1\@contdelim}\@memtempa
11391         {\@contcstyle\hangindent=\@contindw
11392           \hangafter=\@ne\@conttfont #2\@contfinal\par}% <- v1.4
11393       \else
11394         \@contpre%
11395         {\@contnfont #1\@contdelim}\@memtempa
11396         {\@contcstyle \@conttfont #2\@contfinal\par}

```



```

11397     \fi
11398     \fi
11399     \fi
11400     \@contpost
11401     \if@contcw
11402         \par
11403     } % end of the \parbox
11404     \fi
11405     \vskip\belowcaptionskip}
11406 \ifpackageloaded{caption}{%
11407 \AtBeginPackage{caption}{%
11408 \ClassWarningNoLine{memoir}{%
11409 You are using the caption package with the memoir \MessageBreak
11410 class. This may cause unexpected or inconsistent \MessageBreak
11411 results if you use any of memoir's captioning facilities}
11412
11413 \long\def\@makecaption##1##2{%
11414     \vskip\abovecaptionskip
11415     \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
11416     \ifdim \wd\@tempboxa >\hsize
11417         \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
11418     \else
11419         \global \@minipagefalse
11420         \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
11421     \fi
11422     \vskip\belowcaptionskip}
11423
11424 \def\caption{%
11425     \ifx\@captype\@undefined
11426         \@latex@error{\noexpand\caption outside float}\@ehd
11427         \expandafter\@gobble
11428     \else
11429         \refstepcounter\@captype
11430         \expandafter\@firstofone
11431     \fi
11432     {\@dblarg{\@caption\@captype}}}%
11433 }
11434
11435 \long\def\@caption##1[##2]##3{%
11436     \par
11437     \addcontentsline{\csname ext@##1\endcsname}{##1}%
11438     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}}%
11439 \begingroup
11440     \@parboxrestore
11441     \if@minipage
11442         \setminipage
11443     \fi
11444     \normalsize
11445     \@makecaption{\csname fnum@##1\endcsname}{\ignorespaces ##3}\par
11446 \endgroup}

```



```

11447 }}{}
11448 \renewenvironment{thebibliography}[1]{%
11449   \bibsection
11450   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11451   \begin{bibitemlist}{#1}}{\end{bibitemlist}\postbibhook}

```

## 7.76 midfloat-xetex-bidi.def

```

11452 \ProvidesFile{midfloat-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for midfloat package for
11453 \def\RTL@outputdblcol{%
11454   \if@firstcolumn
11455     \global \@firstcolumnfalse
11456     \global \setbox\@leftcolumn \box\@outputbox
11457     \global\c@colht\@colht\global\c@advipersep\z@
11458     \ifnum\jua@sk>0
11459       \remove@strip\jua@sar
11460       \global\@colht\the\jua@pr
11461       \ifdim\right@cor>\z@
11462         \global\advance\@colht by\right@cor
11463       \fi
11464       \global\advance\@colht by\cor@height
11465       \global\cor@height=0pt
11466     \fi
11467     \global \setbox\@rightcolumn \vbox{%
11468   \else
11469     \ifdim\c@colht>\@colht
11470       \@tempdima\@colht
11471       \ifdim\@colht>\z@
11472         \global\setbox\@rightcolumn \vbox{%
11473           \unvbox\@rightcolumn
11474           \vbox to\@tempdima{%
11475             \vskip\c@advipersep\unvbox\@outputbox}%
11476           \vskip\stripsep
11477           \vrule height\the\jua@ht width 0pt depth 0pt
11478           \vskip\stripsep
11479         }%
11480       \global\c@advipersep\m@advipersep
11481     \else
11482       \global\setbox\@rightcolumn \vbox{%
11483         \unvbox\@rightcolumn
11484         \vrule height\the\jua@ht width 0pt depth 0pt
11485         \vskip\stripsep
11486       }%
11487     \fi
11488     \ifnum\jua@sk>0
11489       \remove@strip\jua@sar
11490       \global\@colht\the\jua@pr
11491       \global\advance\@colht by -\ht\@rightcolumn
11492       \global\advance\@colht by\cor@height
11493       \global\cor@height=0pt

```



```

11494         \else
11495             \global\advance\c@colht by-\ht\@rightcolumn
11496             \global\@colht\c@colht
11497         \fi
11498     \else
11499     \global\@firstcolumntrue
11500     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
11501         \unvbox\@rightcolumn
11502         \vskip\c@addvipersep
11503         \unvbox\@outputbox
11504     }%
11505     \setbox\@outputbox \vbox {%
11506         \hb@xt@\textwidth {%
11507             \hskip \columnwidth
11508             \hfil
11509             \vrule \@width\columnseprule
11510             \hfil
11511             \hb@xt@\columnwidth {%
11512                 \box\@leftcolumn \hss}%
11513             \hskip-\textwidth
11514             \hb@xt@\columnwidth {%
11515                 \box\@outputbox \hss}%
11516             \hskip\columnwidth
11517             \hskip\columnsep}%
11518         }%
11519     \@combinedblfloats
11520     \@outputpage
11521     \begingroup
11522     \@dblfloatplacement
11523     \@startdblcolumn
11524     \@whilesw\if@fcolmade \fi
11525     {\@outputpage
11526     \@startdblcolumn}%
11527     \endgroup
11528     \global\jua@sk=0\global\jua@sar={}%
11529     \global\cor@height\z@\global\c@addvipersep\z@
11530     \fi
11531 \fi
11532 }
11533
11534
11535 \def\LTR@outputdblcol{%
11536     \if@firstcolumn
11537         \global \@firstcolumnfalse
11538         \global \setbox\@leftcolumn \box\@outputbox
11539         \global\c@colht\@colht\global\c@addvipersep\z@
11540         \ifnum\jua@sk>0
11541             \remove@strip\jua@sar
11542             \global\@colht\the\jua@pr
11543             \ifdim\right@cor>\z@

```



```

11544         \global\advance\@colht by\right@cor
11545     \fi
11546     \global\advance\@colht by\cor@height
11547     \global\cor@height=0pt
11548 \fi
11549 \global \setbox\@rightcolumn \vbox{%
11550 \else
11551     \ifdim\c@colht>\@colht
11552         \@tempdima\@colht
11553         \ifdim\@colht>\z@
11554             \global\setbox\@rightcolumn \vbox{%
11555                 \unvbox\@rightcolumn
11556                 \vbox to\@tempdima{%
11557                     \vskip\c@addvipersep\unvbox\@outputbox}%
11558                 \vskip\stripsep
11559                 \vrule height\the\jua@ht width 0pt depth 0pt
11560                 \vskip\stripsep
11561             }%
11562             \global\c@addvipersep\m@addvipersep
11563         \else
11564             \global\setbox\@rightcolumn \vbox{%
11565                 \unvbox\@rightcolumn
11566                 \vrule height\the\jua@ht width 0pt depth 0pt
11567                 \vskip\stripsep
11568             }%
11569         \fi
11570     \ifnum\jua@sk>0
11571         \remove@strip\jua@sar
11572         \global\@colht\the\jua@pr
11573         \global\advance\@colht by -\ht\@rightcolumn
11574         \global\advance\@colht by\cor@height
11575         \global\cor@height=0pt
11576     \else
11577         \global\advance\c@colht by-\ht\@rightcolumn
11578         \global\@colht\c@colht
11579     \fi
11580 \else
11581     \global\@firstcolumntrue
11582     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
11583         \unvbox\@rightcolumn
11584         \vskip\c@addvipersep
11585         \unvbox\@outputbox
11586     }%
11587     \setbox\@outputbox \vbox {%
11588         \hb@xt@\textwidth {%
11589             \hb@xt@\columnwidth {%
11590                 \box\@leftcolumn \hss}%
11591             \hfil
11592             \vrule \@width\columnseprule
11593             \hfil

```





```

11594             \hb@xt@\columnwidth {%
11595             \box\@outputbox \hss}%
11596             }%
11597         }%
11598     \@combinedblfloats
11599     \@outputpage
11600     \begingroup
11601         \@dblfloatplacement
11602         \@startdblcolumn
11603         \@whiles\if@fcolmade \fi
11604         {\@outputpage
11605         \@startdblcolumn}%
11606     \endgroup
11607     \global\jua@sk=0\global\jua@sar={}%
11608     \global\cor@height\z@\global\c@addvipersep\z@
11609     \fi
11610 \fi
11611 }
11612
11613
11614 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
11615 \global\setbox\@viper\ vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\vi
11616     \hsize\textwidth
11617     \@parboxrestore
11618     \col@number \@ne
11619     \vrule height\topskip width0pt depth0pt
11620 }
11621
11622 \def\endstrip{%
11623     \egroup\egroup
11624     \if@firstcolumn
11625         \ifdim\pagetotal>\z@
11626             \vskip\stripsep
11627             \global\ht@strip\pagegoal
11628             \global\advance\ht@strip by-\pagetotal
11629             \global\advance\ht@strip by-\stripsep
11630             \global\advance\ht@strip by-\ht@viper
11631             \global\advance\ht@strip by-\stripsep
11632             \global\jua@ht=\ht@viper
11633         \else
11634             \global\ht@strip\z@
11635         \fi
11636         \ifdim\ht@strip>\z@
11637             \unvbox\@viper
11638             \vskip\stripsep
11639             \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
11640             \global\advance\jua@sk by1
11641         \else
11642             \@latex@error{Strip needs more place!}\@ehc
11643             \if@vihproof

```



```

11644         \framebox[\columnwidth]{??? Strip ???}%
11645     \fi
11646 \fi
11647 \else
11648     \latex@error{Strip is used only on left column!}\@ehc
11649     \if@vihproof
11650         \framebox[\columnwidth]{??? Strip ???}%
11651     \fi
11652 \fi
11653 }

```

## 7.77 minitoc-xetex-bidi.def

```

11654 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for X
11655 \def\@undottedtocline#1#2#3#4#5{%
11656     \ifnum #1>\c@tocdepth\relax \else
11657         \vskip \z@ plus.2\p@
11658     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
11659     \parindent #2\relax\@afterindenttrue
11660     \interlinepenalty\@M
11661     \leavevmode
11662     \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
11663     \hskip -\if@RTL\righskip\else\leftskip\fi
11664     #4\nobreak\hfill \nobreak
11665     \null\par}%
11666 \fi}
11667 \def\@Undottedtocline#1#2#3#4#5{%
11668     \ifnum #1>\c@tocdepth\relax \else
11669         \vskip \z@ \@plus.2\p@
11670     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
11671     \parindent #2\relax\@afterindenttrue
11672     \interlinepenalty\@M
11673     \leavevmode
11674     \@tempdima #3\relax
11675     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
11676     {\coffefont #4}\nobreak \nobreak\null
11677     \par}%
11678 \fi}
11679 \def\@Undottedtoclinep#1#2#3#4#5{%
11680     \ifnum #1>\c@tocdepth\relax \else
11681         \vskip \z@ \@plus.2\p@
11682     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \p@
11683     \parindent #2\relax\@afterindenttrue
11684     \interlinepenalty\@M
11685     \leavevmode
11686     \@tempdima #3\relax
11687     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
11688     {\#4}\nobreak \hfill \nobreak\null
11689     \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
11690 \par}%

```



```
11691 \fi}
```

## 7.78 multicol-xetex-bidi.def

```
11692 \ProvidesFile{multicol-xetex-bidi.def}[2014/09/20 v0.6 bidi adaptations for multicol package for
```

```
11693 \def\page@sofar{%
11694   \process@cols\mult@rightbox
11695   {\ifvoid\count@
11696     \setbox\count@\hbox to\hsize{%
11697       \else
11698         \wd\count@\hsize
11699       \fi}%
11700   \count@\col@number \advance\count@\m@ne
11701   \mult@info\z@
11702   {Column spec: \the\full@width\space = indent
11703     + columns + sep =\MessageBreak
11704     \the\multicol@leftmargin\space
11705     + \the\col@number\space
11706     x \the\hsize\space
11707     + \the\count@\space
11708     x \the\columnsep
11709   }%
11710   \ifvmode\else\errmessage{Multicol Error}\fi
11711   \nointerlineskip
11712   \setbox\z@\hbox{p}\global\dimen\tw@dp\z@
11713   \moveright\multicol@leftmargin
11714   \hbox to\full@width{%
11715     \bidi@multicol@align@columns
11716     \rlap{\phantom p}%
11717   }%
11718   \prevdepth\z@
11719   \kern-\dimen\tw@
11720   \ifdim\dimen\tw@ > \mc@gridwarn
11721     \PackageWarning{multicol}%
11722       {Very deep columns!\MessageBreak
11723         Grid alignment might be broken}%
11724   \fi
11725 }
11726 \def\LTR@column@boxes{%
11727   \process@cols\mult@gfirstbox{%
11728     \ifdim\dp\count@>\dimen\tw@
11729     \global\dimen\tw@dp\count@ \fi
11730     \mc@col@status@write
11731     \box\count@
11732     \hss{\columnseprulecolor\vrule
11733       \@width\columnseprule}\hss}%
11734   \ifdim\dp\mult@rightbox>\dimen\tw@
11735     \global\dimen\tw@dp\mult@rightbox \fi
11736   \mc@lastcol@status@write
11737   \box\mult@rightbox
```



```

11738 }
11739
11740 \def\RTL@column@boxes{%
11741     \process@cols\mult@gfirstbox{%
11742         \hskip\hsize
11743         \hss{\columnseprulecolor\vrule
11744             \@width\columnseprule}\hss
11745     }%
11746     \hskip\hsize
11747     \process@cols\mult@gfirstbox{%
11748         \ifdim\dp\count@>\dimen\tw@
11749             \global\dimen\tw@\dp\count@ \fi
11750         \hskip-\hsize
11751         \mc@col@status@write
11752         \box\count@
11753         \hskip-\hsize
11754         \hskip-\columnsep
11755     }%
11756     \ifdim\dp\mult@rightbox>\dimen\tw@
11757         \global\dimen\tw@\dp\mult@rightbox \fi
11758     \hskip-\hsize
11759     \mc@lastcol@status@write
11760     \box\mult@rightbox
11761     \hskip-\hsize
11762     \hskip\full@width
11763 }
11764 \newcommand\RTLmulticolcolumns
11765     {\let\bidimulticol@align@columns
11766      \RTL@column@boxes}
11767 \newcommand\LTRmulticolcolumns
11768     {\let\bidimulticol@align@columns
11769      \LTR@column@boxes}
11770 \newcommand\bidimulticol@align@columns
11771     {\ifRTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
11772 \def\multicols#1{\col@number#1\relax
11773   \ifnum\col@number<\tw@
11774     \PackageWarning{multicol}%
11775       {Using ``\number\col@number'
11776        columns doesn't seem a good idea.^^J
11777        I therefore use two columns instead}%
11778     \col@number\tw@ \fi
11779   \ifnum\col@number>10
11780     \PackageError{multicol}%
11781       {Too many columns}%
11782     {Current implementation doesn't
11783      support more than 10 columns.%
11784      \MessageBreak
11785      I therefore use 10 columns instead}%
11786     \col@number10 \fi
11787   \ifx\@footnotetext\mult@footnotetext\else

```



```

11788 \let\orig@footnotetext\@footnotetext
11789 \let\@footnotetext\mult@footnotetext
11790 \fi
11791 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
11792 \let\orig@LTRfootnotetext\@LTRfootnotetext
11793 \let\@LTRfootnotetext\mult@LTRfootnotetext
11794 \fi
11795 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
11796 \let\orig@RTLfootnotetext\@RTLfootnotetext
11797 \let\@RTLfootnotetext\mult@RTLfootnotetext
11798 \fi
11799 \@ifnextchar[\mult@cols{\mult@cols[]}]
11800 \long\def\mult@footnotetext#1{\begingroup
11801 \hsize\textwidth
11802 \columnwidth\textwidth
11803 \orig@footnotetext{#1}\endgroup}
11804 \long\def\mult@LTRfootnotetext#1{\begingroup
11805 \hsize\textwidth
11806 \columnwidth\textwidth
11807 \orig@LTRfootnotetext{#1}\endgroup}
11808 \long\def\mult@RTLfootnotetext#1{\begingroup
11809 \hsize\textwidth
11810 \columnwidth\textwidth
11811 \orig@RTLfootnotetext{#1}\endgroup}
11812 \def\right@footnoterule{%
11813 \hbox to \textwidth
11814 {\beginR \vbox{\kern -3\p@
11815 \hrule width .4\columnwidth \kern2.6\p@\hfil\endR}}
11816 \def\textwidth@footnoterule{\kern-3\p@
11817 \hrule \@width \textwidth \kern 2.6\p@}

```

## 7.79 multienum-xetex-bidi.def

```

11818 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package]
11819 \renewcommand{\itemx}[1]{\parbox[t]{%
11820 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11821 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
11822 \renewcommand{\itemxx}[2]{\parbox[t]{%
11823 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11824 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
11825 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11826 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
11827 \renewcommand{\itemxxx}[3]{\parbox[t]{%
11828 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11829 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
11830 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
11831 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
11832 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11833 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
11834 \renewcommand{\itemxxxx}[4]{\parbox[t]{%

```



```

11835 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11836 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
11837 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11838 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
11839 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11840 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
11841 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11842 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
11843 \renewcommand{\itemxxxx}[5]{\parbox[t]{%
11844 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11845 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
11846 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11847 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
11848 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11849 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
11850 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11851 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
11852 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11853 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
11854 \renewcommand{\itemxox}[2]{\parbox[t]{%
11855 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11856 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
11857 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11858 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
11859 \renewcommand{\itemxox}[2]{\parbox[t]{%
11860 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11861 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
11862 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11863 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
11864 \renewcommand{\itemxox}[3]{\parbox[t]{%
11865 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11866 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
11867 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11868 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
11869 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11870 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
11871 \renewcommand{\itemxxox}[3]{\parbox[t]{%
11872 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11873 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
11874 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11875 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
11876 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11877 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
11878 \renewcommand{\itemxxox}[3]{\parbox[t]{%
11879 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11880 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
11881 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11882 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
11883 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11884 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```



## 7.80 natbib-xetex-bidi.def

```
11885 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
11886 \renewenvironment{thebibliography}[1]{%
11887 \bibsection
11888 \parindent\z@
11889 \bibpreamble
11890 \bibfont
11891 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11892 \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
11893 \ifNAT@openbib
11894 \renewcommand\newblock{\par}%
11895 \else
11896 \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
11897 \fi
11898 \sloppy\clubpenalty4000\widowpenalty4000
11899 \sfcode`\.\@m
11900 \let\NAT@bibitem@first@sw\@firstoftwo
11901 \let\citeN\cite \let\shortcite\cite
11902 \let\citeasnoun\cite
11903 }{%
11904 \bibitem@fin
11905 \bibpostamble
11906 \def\@noitemerr{%
11907 \PackageWarning{natbib}{Empty `thebibliography' environment}%
11908 }%
11909 \endlist
11910 \bibcleanup
11911 }%
```

## 7.81 newfloat-xetex-bidi.def

```
11912 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
11913 \renewcommand*\newfloat@setwithin[2]{%
11914 \ifcsname c@chapter\endcsname
11915 \@removefromreset{#1}{chapter}%
11916 \fi
11917 \@removefromreset{#1}{section}%
11918 \edef\@tempa{#2}%
11919 \ifx\@tempa\@empty
11920 \def\@tempa{none}%
11921 \fi
11922 \def\@tempb{none}%
11923 \ifx\@tempa\@tempb
11924 \ifcsname c@chapter\endcsname
11925 \@chapterlistsgap@off{#1}%
11926 \fi
11927 \newfloat@@setwithin{#1}{\}{}%
11928 \else
11929 \def\@tempb{chapter}%
11930 \ifx\@tempa\@tempb
```



```

11931 \addtoreset{#1}{chapter}%
11932 \chapterlistsgap@on{#1}%
11933 \newfloat@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMa
11934 \else
11935 \def\@tempb{section}%
11936 \ifx\@tempa\@tempb
11937 \addtoreset{#1}{section}%
11938 \ifcsname c@chapter\endcsname
11939 \addtoreset{#1}{chapter}%
11940 \chapterlistsgap@on{#1}%
11941 \newfloat@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
11942 \else
11943 \newfloat@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@Se
11944 \fi
11945 \else
11946 \newfloat@Error{Invalid value `#2' for option `within'}%
11947 \fi
11948 \fi
11949 \fi}

```

## 7.82 ntheorem-xetex-bidi.def

```

11950 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for
11951 \gdef\@thm#1#2#3{%
11952 \if@thmmarks
11953 \stepcounter{end\InTheoType ctr}%
11954 \fi
11955 \renewcommand{\InTheoType}{#1}%
11956 \if@thmmarks
11957 \stepcounter{curr#1ctr}%
11958 \setcounter{end#1ctr}{0}%
11959 \fi
11960 \refstepcounter{#2}%
11961 \theorem@prework
11962 \thm@topsepadd \theorem@postskipamount % cf. latex.ltx: \@trivlist
11963 \ifvmode \advance\thm@topsepadd\partopsep\fi
11964 \trivlist
11965 \@topsep \theorem@preskipamount
11966 \@topsepadd \thm@topsepadd % used by \@endparenv
11967 \advance\linewidth -\theorem@indent
11968 \advance\@totalleftmargin \theorem@indent
11969 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
11970 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

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

```

11971 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hype
11972 \gdef\@thm#1#2#3{%
11973 \if@thmmarks
11974 \stepcounter{end\InTheoType ctr}%
11975 \fi

```





```

11976 \renewcommand{\InTheoType}{#1}%
11977 \if@thmmarks
11978   \stepcounter{curr#1ctr}%
11979   \setcounter{end#1ctr}{0}%
11980 \fi
11981 \refstepcounter{#2}%
11982 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
11983 \ifvmode \advance\thm@topsepadd\partopsep\fi
11984 \trivlist
11985 \@topsep \theorempreskipamount
11986 \@topsepadd \thm@topsepadd % used by \endparenv
11987 \advance\linewidth -\theorem@indent
11988 \advance\@totalleftmargin \theorem@indent
11989 \if@RTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
11990 \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

## 7.84 pdfpages-xetex-bidi.def

```

11991 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for
11992 \renewcommand*{\includepdf}[2] [] {%
11993   \begingroup
11994   \@RTLfalse
11995   \let\AM@threadname\relax
11996   \AM@split@options{pdfpages}{#1}%
11997   \edef\AM@temp{{pdfpages}{\the\@temptokena}}%
11998   \expandafter\setkeys\AM@temp
11999   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
12000     \let\AM@currentdocname\relax
12001     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
12002     \def\AM@pagecount{0}%
12003   }{%
12004     \AM@findfile{#2}%
12005     \if\AM@threadname\relax
12006       \def\AM@threadname{\AM@currentdocname}%
12007     \fi
12008   }%
12009   \ifAM@survey
12010     \def\AM@pagestemp{}%
12011     \@tempcnta=0
12012     \def\foo{%
12013       \@ifundefined{r\AM@xrprefix pdfpages@page\the\@tempcnta}%
12014       {\let\foo\relax}
12015       {\expandafter\ifx\expandafter\\AM@pagestemp\\
12016         \edef\AM@pagestemp{%
12017           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
12018         \else
12019           \edef\AM@pagestemp{\AM@pagestemp,%
12020             \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
12021         \fi
12022         \advance\@tempcnta 1\relax

```



```

12023     }%
12024     \foo
12025   }%
12026   \foo
12027   \expandafter\ifx\expandafter\\AM@pagestemp\\
12028     \def\AM@pagestemp{1}%
12029   \fi
12030 \fi
12031 \ifAM@output
12032   \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
12033   \AM@output{#1}%
12034 \fi
12035 \AM@CheckAtEnd
12036 \endgroup
12037 \AM@ClearShipoutPicture
12038 }

```

## 7.85 pgf-xetex-bidi.def

```

12039 \ProvidesFile{pgf-xetex-bidi.def}[2012/07/08 v0.4 bidi adaptations for pgf package for XeTeX eng
12040 \let\origin@pgfpicture=\pgfpicture
12041 \let\origin@endpgfpicture=\endpgfpicture
12042 \def\pgfpicture{\ifmmode\else\LTR\beginL\fi\origin@pgfpicture}
12043 \def\endpgfpicture{\origin@endpgfpicture\ifmmode\else\endL\endLTR\fi}%

```

## 7.86 picinpar-xetex-bidi.def

```

12044 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
12045 \long\def\@makewincaption#1#2{%
12046   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
12047   \ifdim\wd\@tempboxa>\picwd
12048     {\footnotesize{\bf #1:\enspace}{#2\par}}
12049   \else
12050     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
12051   \fi}
12052 \def\endwindow{%
12053   \global\tcd=\tcdsav
12054   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
12055   \vbadness=10000
12056   \splittopskip=0pt
12057 %
12058 % Typeset the lines above the window
12059 %
12060 \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
12061 \tcn=\tcd
12062 \loop\advance\tcn -1
12063 \setbox\fslice=\vsplit\holder to\baselineskip
12064 \prune\fslice\linewidth
12065 \topheight=0pt
12066 \ifnum\dp\fslice>\dp\wstrutbox
12067   \advance\topheight-\dp\fslice

```



```

12068      \advance\topheight\dp\wstrutbox
12069      \advance\topheight\ilg\fi
12070      \hbox to\linewidth{\box\fslice}
12071      \vskip-\topheight
12072      \ifdim\ht\holder>0pt\repeat
12073      \fi
12074      %
12075      % Now we build the boxes beside the window
12076      %
12077      \global\topheight=\tcl\baselineskip
12078      \ifnum\cumpartcl>0\global\tcl=\cumtcl
12079      \global\topheight=\vpic
12080      \fi
12081      \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
12082      \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
12083      \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
12084      \tcn=\tcl \na=0 \nb=0
12085      \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
12086      \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
12087      \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
12088      \ifnum\na=0\ifnum\nb=0
12089      \setbox\waslice=\vbox to\vpic{\vss}
12090      \setbox\wbslice=\vbox to\vpic{\vss}
12091      \bl=1\br=1
12092      \vskip\ilg
12093      \fi\fi
12094      %
12095      % both sides
12096      %
12097      \ifnum\na>0 \ifnum\nb>0
12098      \loop\advance\nb -1
12099      \advance\na -1
12100      \if@RTL%
12101      \setbox\bslice=\vsplit\holder to\baselineskip
12102      \prune\bslice\rtside
12103      \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
12104      to\rtside{\box\bslice\hfil}}
12105      \setbox\aslice=\vsplit\holder to\baselineskip
12106      \prune\aslice\lftside
12107      \setbox\waslice=\vbox{\unvbox\waslice\hbox
12108      to\lftside{\box\aslice\hfil}}
12109      \else%
12110      \setbox\aslice=\vsplit\holder to\baselineskip
12111      \prune\aslice\lftside
12112      \setbox\waslice=\vbox{\unvbox\waslice\hbox
12113      to\lftside{\box\aslice\hfil}}
12114      \setbox\bslice=\vsplit\holder to\baselineskip
12115      \prune\bslice\rtside
12116      \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
12117      to\rtside{\box\bslice\hfil}}

```



```

12118 \fi%
12119 \ifnum\nb>0\repeat
12120 \fi\fi
12121 %
12122 % only text on the left side
12123 %
12124 \ifnum\na>0
12125   \loop\advance\na -1
12126   \setbox\aslice=\vsplit\holder to\baselineskip
12127   \prune\aslice\lftside
12128   \setbox\waslice=\vbox{\unvbox\waslice\hbox
12129     to\lftside{\box\aslice\hfil}}
12130   \ifdim\ht\holder>0pt\repeat
12131 \fi
12132 %
12133 % only text on the right side
12134 %
12135 \ifnum\nb>0
12136   \loop\advance\nb -1
12137   \setbox\bslice=\vsplit\holder to\baselineskip
12138   \prune\bslice\rtside
12139   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
12140     to\rtside{\box\bslice\hfil}}
12141   \ifdim\ht\holder>0pt\repeat
12142 \fi
12143 %
12144 % fixing the dimensions of the window part
12145 %
12146 \ifnum\bl=0\topheight=\ht\wbslice
12147 \else\ifnum\br=0\topheight=\ht\waslice
12148   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
12149     \else\topheight=\ht\wbslice\fi\fi\fi
12150 %
12151 % ship out the window material to the main vertical list
12152 %
12153 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
12154 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
12155 \fi\fi\fi
12156 \setbox>windowbox=\vbox{\hbox to\linewidth{%
12157 \ifnum\bl>0\box\waslice\hfill\fi%
12158 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
12159 \vfill\unvbox\picbox%
12160 \ifnum\picwd>0\vfill\fi%
12161 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
12162 \unvbox>windowbox%
12163 \loop
12164 \setbox\bslice=\vsplit\rawtext to\baselineskip
12165 \prune\bslice\linewidth
12166 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
12167 \unvbox\wbslice

```



```

12168 \ifdim\ht\rawtext>0pt
12169 \repeat
12170 }% FINITO

```

## 7.87 plain-xetex-bidi.def

```

12171 \def\TeXeTOn{\TeXeTstate=1 }
12172 \def\TeXeTOff{\TeXeTstate=0 }
12173 \TeXeTOn
12174 \def\usebox#1{\leavevmode\copy #1\relax}
12175 \def\bidir@RTL@everypar{\if@RTL{\setbox\z@\lastbox\beginR\ifvoid\z@\else\usebox\z@\fi}\fi}
12176 \let\bidir@o@everypar=\everypar
12177 \newtoks\bidir@n@everypar
12178 \bidir@n@everypar\expandafter{\the\bidir@o@everypar}
12179 \bidir@o@everypar{\bidir@RTL@everypar\the\bidir@n@everypar}
12180 \let\everypar=\bidir@n@everypar
12181 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
12182 \def\moreRE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
12183 \protected\def\hboxR{\hbox\bgroup
12184 \everyhbox{%
12185 \aftergroup\egroup
12186 \everyhbox{}}%
12187 \beginR
12188 \bgroup
12189 \aftergroup\endR
12190 \aftergroup\egroup
12191 }\hbox}
12192 \protected\def\hboxL{\hbox\bgroup
12193 \everyhbox{%
12194 \aftergroup\egroup
12195 \everyhbox{}}%
12196 \beginL
12197 \bgroup
12198 \aftergroup\endL
12199 \aftergroup\egroup
12200 }\hbox}
12201 \protected\def\vboxR{\vbox\bgroup
12202 \everyvbox{%
12203 \aftergroup\egroup
12204 \everyvbox{}}%
12205 \@RTLtrue
12206 \bgroup
12207 \aftergroup\egroup
12208 }\vbox}
12209 \protected\def\vboxL{\vbox\bgroup
12210 \everyvbox{%
12211 \aftergroup\egroup
12212 \everyvbox{}}%
12213 \@RTLfalse
12214 \bgroup

```



```

12215 \aftergroup\egroup
12216 }\vbox}
12217 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
12218 \def\endLTR{\par}
12219 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
12220 \def\endRTL{\par}
12221 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
12222 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
12223 \let\unsetRTL=\setLTR
12224 \let\unsetLTR=\setRTL
12225 \let\LR=\LRE
12226 \let\RL=\RLE
12227 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
12228 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
12229 \let\@ensure@RL=\@ensure@RTL
12230 \let\@ensure@LR=\@ensure@LTR
12231 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
12232 \let\@ensure@maindir=\@ensure@dir
12233 \def\@RTL{RTL}
12234 \def\@LTR{LTR}
12235 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
12236 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
12237 \let\@TeX\TeX
12238 \def\TeX{\@ensure@LTR{\@TeX}}
12239 \long\def\bidi@reflect@box#1{%
12240 \leavevmode
12241 \setbox\z@\hbox{#1}%
12242 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
12243 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
12244 }
12245 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
12246 \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
12247 \let\setRL=\setRTL
12248 \let\setLR=\setLTR
12249 \let\unsetRL=\setLTR
12250 \let\bidi@sav@eqno=\eqno
12251 \let\bidi@sav@leqno=\leqno
12252 \def\eqno{\ifnum\predisplaydirection<\z@ \bidi@sav@leqno \else \bidi@sav@eqno \fi}
12253 \def\leqno{\ifnum\predisplaydirection<\z@ \bidi@sav@eqno \else \bidi@sav@leqno \fi}
12254 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
12255 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
12256 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

## 7.88 pstricks-xetex-bidi.def

```

12257 \ProvidesFile{pstricks-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for pstricks package for
12258 \let\origin@pspicture=\pspicture
12259 \let\origin@endpspicture=\endpspicture
12260 \def\pspicture{\ifmmode\else\LTR\beginL\fi\origin@pspicture}
12261 \def\endpspicture{\origin@endpspicture\ifmmode\else\endL\endLTR\fi}

```



## 7.89 quotchap-xetex-bidi.def

```
12262 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
12263 \renewcommand{\qauthor}[1]{%
12264   \par\smallskip
12265   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\qqquad\hbox{\par}\bigskip}
12266 \renewcommand{\makechapterhead}[1]{\chapterheadstartvskip%
12267   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
12268     {\chapnumfont
12269       \ifnum \c@secnumdepth >\m@ne%
12270         \if@mainmatter\thechapter%
12271         \fi\fi
12272       \par\nobreak}%
12273     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10em}
12274     \nobreak\chapterheadendvskip}}
12275 \renewcommand*{\@iprintcites}{%
12276   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
12277   \global\let\@printcites\relax}
```

## 7.90 ragged2e-xetex-bidi.def

```
12278 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
12279 \renewcommand{\Centering}{%
12280   \ifx\\ \@raggedtwoe@savedcr
12281     \let\\ \@centercr
12282   \fi
12283   \let\@gnewline\@raggedtwoe@gnewline
12284   \if@RTL\rightskip\else\leftskip\fi\CenteringLeftskip
12285   \@rightskip\CenteringRightskip
12286   \if@RTL\leftskip\else\rightskip\fi\@rightskip
12287   \parfillskip\CenteringParfillskip
12288   \parindent\CenteringParindent
12289   \@raggedtwoe@spaceskiptrue
12290   \@raggedtwoe@everyselectfont
12291 }
12292 \renewcommand{\RaggedLeft}{%
12293   \ifx\\ \@raggedtwoe@savedcr
12294     \let\\ \@centercr
12295   \fi
12296   \let\@gnewline\@raggedtwoe@gnewline
12297   \if@RTL\rightskip\else\leftskip\fi\RaggedLeftLeftskip
12298   \@rightskip\RaggedLeftRightskip
12299   \if@RTL\leftskip\else\rightskip\fi\@rightskip
12300   \parfillskip\RaggedLeftParfillskip
12301   \parindent\RaggedLeftParindent
12302   \@raggedtwoe@spaceskiptrue
12303   \@raggedtwoe@everyselectfont
12304 }
12305 \renewcommand{\RaggedRight}{%
12306   \ifx\\ \@raggedtwoe@savedcr
12307     \let\\ \@centercr
```



```

12308 \fi
12309 \let\@gnewline\@raggedtwoe@gnewline
12310 \if@RTL\rightright\else\leftskip\fi\RaggedRightLeftskip
12311 \@rightskip\RaggedRightRightskip
12312 \if@RTL\leftskip\else\rightright\fi\@rightskip
12313 \parfillskip\RaggedRightParfillskip
12314 \parindent\RaggedRightParindent
12315 \@raggedtwoe@spaceskiptrue
12316 \@raggedtwoe@everyselectfont
12317 }
12318 \renewcommand{\justifying}{%
12319 \let\@raggedtwoe@savetwocr
12320 \let\@gnewline\@raggedtwoe@savetwocr@gnewline
12321 \if@RTL\rightright\else\leftskip\fi\z@
12322 \@rightskip\z@
12323 \if@RTL\leftskip\else\rightright\fi\@rightskip
12324 \parfillskip\JustifyingParfillskip
12325 \parindent\JustifyingParindent
12326 \@raggedtwoe@spaceskipfalse
12327 \@raggedtwoe@everyselectfont
12328 }
12329 \renewcommand*{\@raggedtwoe@raggedrightboxes@opt}{
12330 \CheckCommand*{\arrayparboxrestore}{%
12331 \let\if@nbreak\iffalse
12332 \let\if@noskipsec\iffalse
12333 \let\par\@par
12334 \let\-\@dischyph
12335 \let'\@acci\let'\@accii\let\=\@acciii
12336 \parindent\z@ \parskip\z@skip
12337 \everypar{}%
12338 \linewidth\hsize
12339 \@totalleftmargin\z@
12340 \if@RTL\rightright\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightright\fi\z@skip \@right
12341 \parfillskip\@flushglue \lineskip\normallineskip
12342 \baselineskip\normalbaselineskip
12343 \sloppy}%
12344 \renewcommand{\arrayparboxrestore}{%
12345 \let\if@nbreak\iffalse
12346 \let\if@noskipsec\iffalse
12347 \let\par\@par
12348 \let\-\@dischyph
12349 \let'\@acci\let'\@accii\let\=\@acciii
12350 \parskip\z@skip
12351 \everypar{}%
12352 \linewidth\hsize
12353 \@totalleftmargin\z@
12354 \RaggedRight
12355 \lineskip\normallineskip
12356 \baselineskip\normalbaselineskip
12357 \sloppy}%

```





```

12358 \let\@raggedtwoe@raggedrightboxes@opt\relax
12359 }
12360 \let\origin@RaggedLeft=\RaggedLeft
12361 \let\origin@RaggedRight=\RaggedRight
12362 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
12363 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

## 7.91 rapport1-xetex-bidi.def

```

12364 \ProvidesFile{rapport1-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for rapport1 class for X
12365 \renewenvironment{theindex}{%
12366 \if@twocolumn
12367 \@restonecolfalse
12368 \else
12369 \@restonecoltrue
12370 \fi
12371 \columnseprule \z@
12372 \columnsep 35\p@
12373 \twocolumn[\@makeschapterhead{\indexname}]%
12374 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
12375 \thispagestyle{plain}\parindent\z@
12376 \parskip\z@ \@plus .3\p@\relax
12377 \let\item\@idxitem
12378 }{%
12379 \if@restonecol\onecolumn\else\clearpage\fi}
12380 \renewcommand*{\head@style}{%
12381 \interlinepenalty \@M
12382 \hyphenpenalty=\@M \exhyphenpenalty=\@M
12383 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
12384 \if@titlepage
12385 \renewenvironment{abstract}{%
12386 \titlepage
12387 \null\vfil
12388 \section*{\SectFont\abstractname}%
12389 \noindent\ignorespaces}
12390 {\par\vfil\null\endtitlepage}
12391 \else
12392 \renewenvironment{abstract}{%
12393 \if@twocolumn
12394 \section*{\abstractname}%
12395 \else
12396 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
12397 \section*{\small\SectFont\abstractname}%
12398 \noindent\ignorespaces
12399 \fi}
12400 {\if@twocolumn\else\par\egroup\fi}
12401 \fi
12402 \renewcommand*{\@regtocline}[3]{%
12403 \ifnum #1>\c@tocdepth
12404 \else

```



```

12405 \vskip\z@\@plus.2\p@
12406 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
12407 \if@RTL\rightskip\else\leftskip\fi\unitindent
12408 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
12409 \parfillskip\z@
12410 \@tempdima\unitindent
12411 \parindent\z@
12412 \leavevmode
12413 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
12414 \hskip 1em \nobreak{\slshape #3}\par
12415 }%
12416 \fi}
12417 \if@oldtoc
12418 \renewcommand*\l@part[2]{%
12419 \ifnum \c@tocdepth >-2\relax
12420 \addpenalty{-\@highpenalty}%
12421 \addvspace{2.25em \@plus\p@}%
12422 \begingroup
12423 \setlength\@tempdima{3em}%
12424 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12425 \parfillskip -\@pnumwidth
12426 {\leavevmode
12427 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
12428 \nobreak
12429 \global\@nobreaktrue
12430 \everypar{\global\@nobreakfalse\everypar{}}%
12431 \endgroup
12432 \fi}
12433 \else
12434 \renewcommand*\l@part{%
12435 \ifnum \c@tocdepth >-2\relax
12436 \addpenalty{-\@highpenalty}%
12437 \addvspace{2.25em \@plus \p@}%
12438 \@regtocline{0}%
12439 \fi}
12440 \fi
12441 \if@oldtoc
12442 \renewcommand*\l@chapter[2]{%
12443 \addpenalty{-\@highpenalty}%
12444 \vskip 1.0em \@plus\p@
12445 \setlength\@tempdima{1.5em}%
12446 \begingroup
12447 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12448 \parfillskip -\@pnumwidth
12449 \leavevmode \bfseries
12450 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
12451 \hskip -\if@RTL\rightskip\else\leftskip\fi
12452 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
12453 \penalty\@highpenalty
12454 \endgroup}

```



```

12455 \else
12456   \renewcommand*\l@chapter{\@regtocline{0}}
12457 \fi
12458 \renewcommand*\left@footnoterule{%
12459   \kern-3\p@
12460   \kern.5\baselineskip
12461   \hrule\@width\unitindent
12462   \kern.4\baselineskip
12463 }
12464 \renewcommand*\right@footnoterule{%
12465   \hbox to \columnwidth
12466   {\beginR \vbox{%
12467     \kern-3\p@
12468     \kern.5\baselineskip
12469     \hrule\@width\unitindent
12470     \kern.4\baselineskip}\hfil\endR}
12471 }
12472 \renewenvironment{thebibliography}[1]
12473   {\chapter*{\bibname}%
12474     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
12475     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12476     \list{\@biblabel{\@arabic\c@enumiv}}%
12477       {\settowidth\labelwidth{\@biblabel{#1}}%
12478         \leftmargin\labelwidth
12479         \advance\leftmargin\labelsep
12480         \@openbib@code
12481         \usecounter{enumiv}%
12482         \let\p@enumiv\@empty
12483         \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
12484     \sloppy\clubpenalty4000\widowpenalty4000%
12485     \sfcode`. \m}
12486   {\def\@noitemerr
12487     {\@latex@warning{Empty `thebibliography' environment}}%
12488     \endlist}
12489 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
12490 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\csubsection}
12491 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\csubsubsection}
12492 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\cparagraph}
12493 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\csubparagraph}
12494 \renewcommand*\theequation{%
12495   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
12496 \renewcommand*\thefigure{%
12497   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
12498 \renewcommand*\thetable{%
12499   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
12500 \if@titlepage
12501 \renewcommand*\TitleFont{\rmfamily}
12502 \renewcommand*\maketitle{%
12503   \begin{titlepage}%
12504     \let\footnotesize\small

```



```

12505 \let\right@footnoterule\relax
12506 \let\left@footnoterule\relax
12507 \let\textwidth@footnoterule\relax
12508 \let \footnote \thanks
12509 \long\def\@makefntext##1{\parindent\z@
12510     \def\labelitemi{\textendash}\@revlabeltrue
12511     \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
12512 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
12513 \if@compatibility\setcounter{page}{0}\fi
12514 \null\vfil
12515 \vskip 60\p@
12516 \begin{center}%
12517     \TitleFont
12518     {\LARGE \def\\{\penalty -\@M}
12519         \if@allcaps
12520             \expandafter\uc@nothanks\@title\thanks\relax
12521         \else
12522             \@title
12523         \fi\par}%
12524     \vskip 3em%
12525     {\large
12526         \lineskip .75em \parindent\z@
12527         \begin{tabular}[t]{c}%
12528             \if@allcaps
12529                 \expandafter\uc@authornothanks\@author\and\relax
12530             \else
12531                 \@author
12532             \fi
12533         \end{tabular}\par}%
12534     \vskip 1.5em%
12535     {\large
12536         \if@allcaps
12537             \uppercase\expandafter{\@date}%
12538         \else
12539             \@date
12540         \fi\par}%
12541     \end{center}\par
12542     \@thanks
12543     \vfil\null
12544 \end{titlepage}%
12545 \setcounter{footnote}{0}%
12546 \global\let\thanks\relax
12547 \global\let\maketitle\relax
12548 \global\let\@thanks\@empty
12549 \global\let\@author\@empty
12550 \global\let\@title\@empty
12551 \global\let\@date\@empty
12552 \global\let\title\relax
12553 \global\let\author\relax
12554 \global\let\date\relax

```



```

12555 \global\let\and\relax
12556 }
12557 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
12558 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
12559 \futurelet\@tempa\uc@ax}
12560 \def\uc@ax{%
12561 \ifx\@tempa\relax
12562 \else
12563 \\\andname \\\expandafter\uc@authornothanks
12564 \fi}
12565 \def\uc@tx{\ifx\@tempa\relax
12566 \else \expandafter\uc@ty \fi}
12567 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
12568 \else
12569 \renewcommand*\maketitle{\par
12570 \begingroup
12571 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
12572 \def\@makefnmark{\rlap{%
12573 \@textsuperscript{\normalfont\@thefnmark}}}%
12574 \long\def\@makefntext{\@xmakefntext{%
12575 \@textsuperscript{\normalfont\@thefnmark}}}%
12576 \if@twocolumn
12577 \ifnum \col@number=\@ne
12578 \@maketitle
12579 \else
12580 \twocolumn[\@maketitle]%
12581 \fi
12582 \else
12583 \newpage
12584 \global\@topnum\z@
12585 \@maketitle
12586 \fi
12587 \thispagestyle{plain}\@thanks
12588 \endgroup
12589 \setcounter{footnote}{0}%
12590 \global\let\thanks\relax
12591 \global\let\maketitle\relax
12592 \global\let\@maketitle\relax
12593 \global\let\@thanks\@empty
12594 \global\let\@author\@empty
12595 \global\let\@title\@empty
12596 \global\let\@date\@empty
12597 \global\let\title\relax
12598 \global\let\author\relax
12599 \global\let\date\relax
12600 \global\let\and\relax
12601 }
12602 \def\@maketitle{%
12603 \newpage
12604 \null

```



```

12605 \vskip 2em%
12606 \begin{center}%
12607   \let \footnote \thanks
12608   {\LARGE \TitleFont \@title \par}%
12609   \vskip 1.5em%
12610   {\large \TitleFont
12611     \lineskip .5em%
12612     \begin{tabular}[t]{c}%
12613       \@author
12614     \end{tabular}\par}%
12615   \vskip 1em%
12616   {\large \TitleFont \@date}%
12617 \end{center}%
12618 \par
12619 \vskip 1.5em}
12620 \fi

```

## 7.92 rapport3-xetex-bidi.def

```

12621 \ProvidesFile{rapport3-xetex-bidi.def}[2011/08/26 v0.4 bidi adaptations for rapport3 class for X
12622 \renewenvironment{theindex}{%
12623   \if@twocolumn
12624     \@restonecolfalse
12625   \else
12626     \@restonecoltrue
12627   \fi
12628   \columnseprule \z@
12629   \columnsep 35\p@
12630   \twocolumn[\@makeschapterhead{\indexname}]{%
12631     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
12632     \thispagestyle{plain}\parindent\z@
12633     \parskip\z@ \@plus .3\p@\relax
12634     \let\item\@idxitem
12635   }{%
12636     \if@restonecol\onecolumn\else\clearpage\fi}
12637 \if@titlepage
12638 \renewcommand*\TitleFont{\rmfamily}
12639 \renewcommand*\maketitle{%
12640   \begin{titlepage}%
12641     \let\footnotesize\small
12642     \let\right@footnoterule\relax
12643     \let\left@footnoterule\relax
12644     \let\textwidth\footnoterule\relax
12645     \let \footnote \thanks
12646     \let \LTRfootnote \LTRthanks
12647     \let \RTLfootnote \RTLthanks
12648     \long\def\@makefnmark##1{\parindent\z@
12649       \def\labelitemi{\textendash}\@revlabeltrue
12650       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
12651     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%

```



```

12652 \ifcompatibility\setcounter{page}{0}\fi
12653 \null\vfil
12654 \vskip 60\p@
12655 \begin{center}%
12656 \TitleFont
12657 {\LARGE \def\{\{\penalty -\@M}
12658 \if@allcaps
12659 \expandafter\uc@nothanks\@title\thanks\relax
12660 \else
12661 \@title
12662 \fi\par}%
12663 \vskip 3em%
12664 {\large
12665 \lineskip .75em \parindent\z@
12666 \begin{tabular}[t]{c}%
12667 \if@allcaps
12668 \expandafter\uc@authornothanks\@author\and\relax
12669 \else
12670 \@author
12671 \fi
12672 \end{tabular}\par}%
12673 \vskip 1.5em%
12674 {\large
12675 \if@allcaps
12676 \uppercase\expandafter{\@date}%
12677 \else
12678 \@date
12679 \fi\par}%
12680 \end{center}\par
12681 \@thanks
12682 \vfil\null
12683 \end{titlepage}%
12684 \setcounter{footnote}{0}%
12685 \global\let\thanks\relax
12686 \global\let\LTRthanks\relax
12687 \global\let\RTLthanks\relax
12688 \global\let\maketitle\relax
12689 \global\let\@thanks\@empty
12690 \global\let\@author\@empty
12691 \global\let\@title\@empty
12692 \global\let\@date\@empty
12693 \global\let\title\relax
12694 \global\let\author\relax
12695 \global\let\date\relax
12696 \global\let\and\relax
12697 }
12698 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
12699 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
12700 \futurelet\@tempa\uc@ax}
12701 \def\uc@ax{%

```



```

12702 \ifx\@tempa\relax
12703 \else
12704   \\\andname \\\expandafter\uc@authornothanks
12705 \fi}
12706 \def\uc@tx{\ifx\@tempa\relax
12707   \else \expandafter\uc@ty \fi}
12708 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
12709 \else
12710 \renewcommand*\maketitle{\par
12711 \begin{group}
12712   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
12713   \def\@makefnmark{\rlap{%
12714     \@textsuperscript{\normalfont\@thefnmark}}}%
12715   \long\def\@makefntext{\@xmakefntext{%
12716     \@textsuperscript{\normalfont\@thefnmark}}}%
12717   \if@twocolumn
12718     \ifnum \col@number=\@one
12719       \@maketitle
12720     \else
12721       \twocolumn[\@maketitle]%
12722     \fi
12723   \else
12724     \newpage
12725     \global\@topnum\z@
12726     \@maketitle
12727   \fi
12728   \thispagestyle{plain}\@thanks
12729 \end{group}
12730 \setcounter{footnote}{0}%
12731 \global\let\thanks\relax
12732 \global\let\LTRthanks\relax
12733 \global\let\RTLthanks\relax
12734 \global\let\maketitle\relax
12735 \global\let\@maketitle\relax
12736 \global\let\@thanks\@empty
12737 \global\let\@author\@empty
12738 \global\let\@title\@empty
12739 \global\let\@date\@empty
12740 \global\let\title\relax
12741 \global\let\author\relax
12742 \global\let\date\relax
12743 \global\let\and\relax
12744 }
12745 \def\@maketitle{%
12746 \newpage
12747 \null
12748 \vskip 2em%
12749 \if@titlecentered
12750   \begin{center}%
12751     \let \footnote \thanks

```





```

12752 \let \LTRfootnote \LTRthanks
12753 \let \RTLfootnote \RTLthanks
12754 {\LARGE \TitleFont \@title \par}%
12755 \vskip 1.5em%
12756 {\large \TitleFont
12757 \lineskip .5em%
12758 \begin{tabular}[t]{c}%
12759 \@author
12760 \end{tabular}\par}%
12761 \vskip 1em%
12762 {\large \TitleFont \@date}%
12763 \end{center}}%
12764 \else
12765 {\LARGE \TitleFont \headstyle \@title \par} \vskip 1.5em
12766 {\large \TitleFont \lineskip .5em \tabcolsep\z@
12767 \def\and{%% \begin{tabular} has already started
12768 \end{tabular}\hskip 1em plus .17fil
12769 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
12770 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}
12771 \vskip 1em {\large \TitleFont \@date}
12772 \fi
12773 \par
12774 \vskip 1.5em}
12775 \fi
12776 \renewcommand*\@regtocline[3]{%
12777 \ifnum #1>\c@tocdepth
12778 \else
12779 \vskip\z@\@plus.2\p@
12780 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
12781 \if@RTL\righskip\else\leftskip\fi\unitindent
12782 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
12783 \parfillskip\z@
12784 \@tempdima\unitindent
12785 \parindent\z@
12786 \leavevmode
12787 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
12788 \hskip 1em \nobreak{\slshape #3}\par
12789 }%
12790 \fi}
12791 \if@oldtoc
12792 \renewcommand*\l@part[2]{%
12793 \ifnum \c@tocdepth >-2\relax
12794 \addpenalty{-\@highpenalty}%
12795 \addvspace{2.25em \@plus\p@}%
12796 \begingroup
12797 \setlength\@tempdima{3em}%
12798 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
12799 \parfillskip -\@pnumwidth
12800 {\leavevmode
12801 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par

```



```

12802         \nobreak
12803         \global\@nobreaktrue
12804         \everypar{\global\@nobreakfalse\everypar{}}%
12805     \endgroup
12806 \fi}
12807 \else
12808     \renewcommand*\l@part{%
12809         \ifnum \c@tocdepth >-2\relax
12810             \addpenalty{-\@highpenalty}%
12811             \addvspace{2.25em \@plus \p@}%
12812             \@regtocline{0}%
12813         \fi}
12814 \fi
12815 \if@oldtoc
12816 \renewcommand*\l@chapter[2]{%
12817     \addpenalty{-\@highpenalty}%
12818     \vskip 1.0em \@plus\p@
12819     \setlength\@tempdima{1.5em}%
12820     \begingroup
12821     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12822     \parfillskip -\@pnumwidth
12823     \leavevmode \bfseries
12824     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
12825     \hskip -\if@RTL\rightskip\else\leftskip\fi
12826     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
12827     \penalty\@highpenalty
12828 \endgroup}
12829 \else
12830 \renewcommand*\l@chapter{\@regtocline{0}}
12831 \fi
12832 \renewcommand*\head@style{%
12833     \interlinepenalty \@M
12834     \hyphenpenalty=\@M \exhyphenpenalty=\@M
12835     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
12836 \if@titlepage
12837 \renewenvironment{abstract}{%
12838     \titlepage
12839     \null\vfil
12840     \section*{\SectFont\abstractname}%
12841     \noindent\ignorespaces}
12842 {\par\vfil\null\endtitlepage}
12843 \else
12844 \renewenvironment{abstract}{%
12845     \if@twocolumn
12846         \section*{\abstractname}%
12847     \else
12848         \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
12849         \section*{\small\SectFont\abstractname}%
12850         \noindent\ignorespaces
12851     \fi}

```



```

12852      {\if@twocolumn\else\par\egroup\fi}
12853 \fi
12854 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
12855 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
12856 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
12857 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
12858 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
12859 \renewcommand*\thefigure{%
12860   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
12861 \renewcommand*\thetable{%
12862   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
12863 \renewcommand*\theequation{%
12864   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
12865 \renewenvironment{thebibliography}[1]
12866   {\chapter*{\bibname}%
12867    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
12868    \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
12869    \list{\@biblabel{\@arabic\c@enumiv}}%
12870      {\settowidth\labelwidth{\@biblabel{#1}}%
12871       \leftmargin\labelwidth
12872       \advance\leftmargin\labelsep
12873       \@openbib@code
12874       \usecounter{enumiv}%
12875       \let\p@enumiv\@empty
12876       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
12877     \sloppy\clubpenalty4000\widowpenalty4000
12878     \sfcode`\.\@m}
12879   {\def\@noitemerr
12880    {\@latex@warning{Empty `thebibliography' environment}}%
12881    \endlist}
12882 \renewcommand*\left@footnoterule{%
12883   \kern-3\p@
12884   \kern.5\baselineskip
12885   \hrule\@width\unitindent
12886   \kern.4\baselineskip
12887 }
12888 \renewcommand*\right@footnoterule{%
12889   \hbox to \columnwidth
12890   {\beginR \vbox{%
12891     \kern-3\p@
12892     \kern.5\baselineskip
12893     \hrule\@width\unitindent
12894     \kern.4\baselineskip}\hfil\endR}
12895 }
12896 \renewcommand*\head@style{%
12897   \interlinepenalty \@M
12898   \hyphenpenalty=\@M \exhyphenpenalty=\@M
12899   \ifRTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}

```



## 7.93 refrep-xetex-bidi.def

```

12900 \ProvidesFile{refrep-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for refrep class for XeTeX
12901 \if@titlepage
12902   \renewcommand\maketitle{\begin{titlepage}%
12903     \let\footnotesize\small
12904     \let\right@footnoterule\relax
12905     \let\left@footnoterule\relax
12906     \let\textwidth@footnoterule\relax
12907     \let\footnote\thanks
12908     \let\LTRfootnote\LTRthanks
12909     \let\RTLfootnote\RTLthanks
12910     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
12911     \def\@makefnmark%
12912       {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
12913     \long\def\@makefntext##1{%
12914       \@setpar{\@par
12915         \@tempdima = \hsize
12916         \advance\@tempdima -1em
12917         \parshape \@ne 1em \@tempdima}%
12918       \par\parindent 1em \noindent
12919       \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
12920 \null\vfil
12921 \vskip 60\p@
12922 \begin{center}%
12923   {\LARGE \@title \par}%
12924   \vskip 3em%
12925   {\large
12926     \lineskip .75em%
12927     \begin{tabular}[t]{c}%
12928       \@author
12929     \end{tabular}\par}%
12930     \vskip 1.5em%
12931     {\large \@date \par}%           % Set date in \large size.
12932 \end{center}\par
12933 \@thanks
12934 \vfil\null
12935 \end{titlepage}%
12936 \setcounter{footnote}{0}%
12937 \global\let\thanks\relax
12938 \global\let\LTRthanks\relax
12939 \global\let\RTLthanks\relax
12940 \global\let\maketitle\relax
12941 \global\let\@thanks\@empty
12942 \global\let\@author\@empty
12943 \global\let\@date\@empty
12944 \global\let\@title\@empty
12945 \global\let\title\relax
12946 \global\let\author\relax
12947 \global\let\date\relax

```



```

12948 \global\let\and\relax
12949 }
12950 \else
12951 \renewcommand\maketitle{\par
12952 \begingroup
12953 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
12954 \def\@makefnmark%
12955 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
12956 \long\def\@makefntext##1{%
12957 \setpar{\@par
12958 \tempdima = \hsize
12959 \advance\tempdima -1em
12960 \parshape \@ne 1em \tempdima}%
12961 \par\parindent 1em \noindent
12962 \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
12963 \if@twocolumn
12964 \ifnum \col@number=\@ne
12965 \maketitle
12966 \else
12967 \twocolumn[\maketitle]%
12968 \fi
12969 \else
12970 \newpage
12971 \global\@topnum\z@ % Prevents figures from going at top of page.
12972 \maketitle
12973 \fi
12974 \thispagestyle{empty}\@thanks
12975 \endgroup
12976 \setcounter{footnote}{0}%
12977 \global\let\thanks\relax
12978 \global\let\LTrthanks\relax
12979 \global\let\RTLthanks\relax
12980 \global\let\maketitle\relax
12981 \global\let\@maketitle\relax
12982 \global\let\@thanks\@empty
12983 \global\let\@author\@empty
12984 \global\let\@date\@empty
12985 \global\let\@title\@empty
12986 \global\let\title\relax
12987 \global\let\author\relax
12988 \global\let\date\relax
12989 \global\let\and\relax
12990 }
12991 \def\@maketitle{%
12992 \newpage
12993 \null
12994 \longthickrule\vskip1.5em%
12995 \let \footnote \thanks
12996 \let \LTrfootnote \LTrthanks
12997 \let \RTLfootnote \RTLthanks

```



```

12998 {\secshape \parskip\z@ \parindent\z@
12999 \Large\bfseries \@title \par}%
13000 \vskip1.5em\longthickrule\vskip1.5em%
13001 {\normalsize
13002 \lineskip .5em%
13003 \begin{flushright}%
13004 {\slshape\@author\par}
13005 \vskip 1em%
13006 {\@date}%
13007 \end{flushright}\par}%
13008 \vskip 1.5em}
13009 \fi
13010 \renewcommand*\l@part[2]{%
13011 \ifnum \c@tocdepth >-2\relax
13012 \addpenalty{-\@highpenalty}%
13013 \addvspace{2.25em \@plus\p@}%
13014 \begingroup
13015 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13016 \parfillskip -\@pnumwidth
13017 {\leavevmode
13018 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
13019 \nobreak
13020 \global\@nbreaktrue
13021 \everypar{\global\@nbreakfalse\everypar{}}%
13022 \endgroup
13023 \fi}
13024 \renewcommand*\l@chapter[2]{%
13025 \ifnum \c@tocdepth >\m@ne
13026 \addpenalty{-\@highpenalty}%
13027 \vskip 1.0em \@plus\p@
13028 \setlength\@tempdima{1.5em}%
13029 \begingroup
13030 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13031 \parfillskip -\@pnumwidth
13032 \leavevmode \bfseries
13033 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13034 \hskip -\if@RTL\rightskip\else\leftskip\fi
13035 #1\nobreak\hfil \nobreak\hbext@\@pnumwidth{\hss #2}\par
13036 \penalty\@highpenalty
13037 \endgroup
13038 \fi}
13039 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
13040 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
13041 \hyphenpenalty=2000}
13042 \renewcommand\left@footnoterule{%
13043 \kern-3\p@
13044 \hrule\@width.4\columnwidth
13045 \kern 2.6\p@}
13046 \renewcommand\right@footnoterule{%
13047 \hbox to \columnwidth

```



```

13048 {\beginR \vbox{%
13049 \kern-3\p@
13050 \hrule\@width.4\columnwidth
13051 \kern 2.6\p@\hfil\endR}}
13052 \renewcommand\theequation
13053 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13054 \renewcommand\thefigure
13055 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
13056 \renewcommand\thetable%
13057 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
13058 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
13059 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
13060 \renewcommand\thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
13061 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
13062 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
13063 \renewenvironment{thebibliography}[1]
13064 {\chapter*{\bibname
13065 \@mkboth{\bibname}{\bibname}}%
13066 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13067 \list{\@biblabel{\@arabic\c@enumiv}}%
13068 {\settowidth\labelwidth{\@biblabel{#1}}%
13069 \leftmargin\labelwidth
13070 \advance\leftmargin\labelsep
13071 \@openbib@code
13072 \usecounter{enumiv}%
13073 \let\p@enumiv\@empty
13074 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
13075 \sloppy
13076 \clubpenalty4000
13077 \@clubpenalty \clubpenalty
13078 \widowpenalty4000%
13079 \sfcode`\.=\@m}
13080 {\def\@noitemerr
13081 {\@latex@warning{Empty `thebibliography' environment}}}%
13082 \endlist}

```

## 7.94 report-xetex-bidi.def

```

13083 \ProvidesFile{report-xetex-bidi.def}[2011/08/26 v0.6 bidi adaptations for standard report class]
13084 \renewenvironment{theindex}
13085 {\if@twocolumn
13086 \@restonecolfalse
13087 \else
13088 \@restonecoltrue
13089 \fi
13090 \columnseprule \z@
13091 \columnsep 35\p@
13092 \twocolumn[\@makeschapterhead{\indexname}}%
13093 \@mkboth{\MakeUppercase\indexname}%
13094 {\MakeUppercase\indexname}%

```



```

13095             \thispagestyle{plain}\parindent\z@
13096             \parskip\z@ \@plus .3\p@\relax
13097             \let\item\@idxitem}
13098         {\if@restonecol\onecolumn\else\clearpage\fi}
13099     \if@titlepage
13100     \renewcommand\maketitle{\begin{titlepage}%
13101     \let\footnotesize\small
13102     \let\right@footnoterule\relax
13103     \let\left@footnoterule\relax
13104     \let\textwidth\footnoterule\relax
13105     \let \footnote \thanks
13106     \let \LTRfootnote \LTRthanks
13107     \let \RTLfootnote \RTLthanks
13108     \null\vfil
13109     \vskip 60\p@
13110     \begin{center}%
13111         {\LARGE \@title \par}%
13112         \vskip 3em%
13113         {\large
13114         \lineskip .75em%
13115         \begin{tabular}[t]{c}%
13116             \@author
13117             \end{tabular}\par}%
13118         \vskip 1.5em%
13119         {\large \@date \par}%           % Set date in \large size.
13120     \end{center}\par
13121     \@thanks
13122     \vfil\null
13123     \end{titlepage}%
13124     \setcounter{footnote}{0}%
13125     \global\let\thanks\relax
13126     \global\let\LTRthanks\relax
13127     \global\let\RTLthanks\relax
13128     \global\let\maketitle\relax
13129     \global\let\@thanks\@empty
13130     \global\let\@author\@empty
13131     \global\let\@date\@empty
13132     \global\let\@title\@empty
13133     \global\let\title\relax
13134     \global\let\author\relax
13135     \global\let\date\relax
13136     \global\let\and\relax
13137 }
13138 \else
13139 \renewcommand\maketitle{\par
13140 \begingroup
13141     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13142     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13143     \long\def\@makefntext##1{\parindent 1em\noindent
13144         \hb@xt@1.8em{

```





```

13145          \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
13146      \if@twocolumn
13147          \ifnum \col@number=\@ne
13148              \@maketitle
13149          \else
13150              \twocolumn[\@maketitle]%
13151          \fi
13152      \else
13153          \newpage
13154          \global\@topnum\z@    % Prevents figures from going at top of page.
13155          \@maketitle
13156      \fi
13157      \thispagestyle{plain}\@thanks
13158  \endgroup
13159  \setcounter{footnote}{0}%
13160  \global\let\thanks\relax
13161  \global\let\LTRthanks\relax
13162  \global\let\RTLthanks\relax
13163  \global\let\maketitle\relax
13164  \global\let\@maketitle\relax
13165  \global\let\@thanks\@empty
13166  \global\let\@author\@empty
13167  \global\let\@date\@empty
13168  \global\let\@title\@empty
13169  \global\let\title\relax
13170  \global\let\author\relax
13171  \global\let\date\relax
13172  \global\let\and\relax
13173 }
13174 \def\@maketitle{%
13175     \newpage
13176     \null
13177     \vskip 2em%
13178     \begin{center}%
13179         \let \footnote \thanks
13180         \let \LTRfootnote \LTRthanks
13181         \let \RTLfootnote \RTLthanks
13182         {\LARGE \@title \par}%
13183         \vskip 1.5em%
13184         {\large
13185             \lineskip .5em%
13186             \begin{tabular}[t]{c}%
13187                 \@author
13188             \end{tabular}\par}%
13189         \vskip 1em%
13190         {\large \@date}%
13191     \end{center}%
13192     \par
13193     \vskip 1.5em}
13194 \fi

```



```

13195 \renewcommand*\l@part[2]{%
13196   \ifnum \c@tocdepth >-2\relax
13197     \addpenalty{-\@highpenalty}%
13198     \addvspace{2.25em \@plus\p@}%
13199     \setlength\@tempdima{3em}%
13200     \begingroup
13201       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13202       \parfillskip -\@pnumwidth
13203       {\leavevmode
13204         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13205       \nobreak
13206       \global\@nobreaktrue
13207       \everypar{\global\@nobreakfalse\everypar{}}%
13208     \endgroup
13209   \fi}
13210 \renewcommand*\l@chapter[2]{%
13211   \ifnum \c@tocdepth >\m@ne
13212     \addpenalty{-\@highpenalty}%
13213     \vskip 1.0em \@plus\p@
13214     \setlength\@tempdima{1.5em}%
13215     \begingroup
13216       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13217       \parfillskip -\@pnumwidth
13218       \leavevmode \bfseries
13219       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13220       \hskip -\if@RTL\rightskip\else\leftskip\fi
13221       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13222       \penalty\@highpenalty
13223     \endgroup
13224   \fi}
13225 \renewcommand\left@footnoterule{%
13226   \kern-3\p@
13227   \hrule\@width.4\columnwidth
13228   \kern2.6\p@}
13229 \renewcommand\right@footnoterule{%
13230   \hbox to \columnwidth
13231   {\beginR \vbox{%
13232     \kern-3\p@
13233     \hrule\@width.4\columnwidth
13234     \kern2.6\p@}\hfil\endR}}
13235 \renewcommand\theequation
13236   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13237 \renewcommand \thefigure
13238   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
13239 \renewcommand \thetable
13240   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
13241 \renewcommand \thechapter {\@arabic\c@chapter}
13242 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
13243 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
13244 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}

```



```

13245 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
13246 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
13247 \def\@makechapterhead#1{%
13248   \vspace*{50\p@}%
13249   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
13250     \ifnum \c@secnumdepth >\m@ne
13251       \huge\bfseries \@chapapp\space \thechapter
13252       \par\nobreak
13253       \vskip 20\p@
13254     \fi
13255     \interlinepenalty\@M
13256     \Huge \bfseries #1\par\nobreak
13257     \vskip 40\p@
13258   }}
13259 \def\@makeschapterhead#1{%
13260   \vspace*{50\p@}%
13261   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
13262     \normalfont
13263     \interlinepenalty\@M
13264     \Huge \bfseries #1\par\nobreak
13265     \vskip 40\p@
13266   }}
13267 \renewenvironment{thebibliography}[1]
13268   {\chapter*{\bibname}%
13269    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
13270    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13271    \list{\@biblabel{\@arabic\c@enumiv}}%
13272      {\settowidth\labelwidth{\@biblabel{#1}}%
13273       \leftmargin\labelwidth
13274       \advance\leftmargin\labelsep
13275       \@openbib@code
13276       \usecounter{enumiv}%
13277       \let\p@enumiv\@empty
13278       \renewcommand\theenumiv{\@arabic\c@enumiv}}%
13279    \sloppy
13280    \clubpenalty4000
13281    \@clubpenalty \clubpenalty
13282    \widowpenalty4000%
13283    \sfcode`.\@m}
13284   {\def\@noitemerr
13285    {\@latex@warning{Empty `thebibliography' environment}}}%
13286   \endlist}

```

## 7.95 rotating-xetex-bidi.def

```

13287 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
13288 \def\end@rotfloat{%
13289   \end{minipage}\end{lrbox}%
13290   \stepcounter{r@tfl@t}%
13291   \rot@label{RF\ther@tfl@t}%

```



```

13292 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
13293 \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
13294 \rot@mess@toks\expandafter{\@tempa}
13295 \wd\rot@float@box\z@
13296 \ht\rot@float@box\z@
13297 \dp\rot@float@box\z@
13298 \vboxL to \textheight{%
13299 \setkeys{Grot}{units=360}%
13300 \if@rot@twoside
13301 \else
13302 \let\R@@page\rot@LR
13303 \fi
13304 \ifthenelse{\isodd{\R@@page}}{%
13305 \if@rot@twoside
13306 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
13307 \fi
13308 \vfill
13309 \@@line{%
13310 \hskip\rotFPtop
13311 \rotatebox{90}{\box\rot@float@box}%
13312 \hskip\rotFPbot
13313 }%
13314 }{%
13315 \if@rot@twoside
13316 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
13317 \fi
13318 \@@line{%
13319 \hskip\rotFPbot
13320 \rotatebox{-90}{\box\rot@float@box}%
13321 \hskip\rotFPtop
13322 }%
13323 \vfill
13324 }%
13325 \rot@message{\the\rot@mess@toks}
13326 }%
13327 \end@float
13328 }
13329 \let\endsidewaysfigure\end@rotfloat
13330 \let\endsidewaysstable\end@rotfloat
13331 \def\end@rotdblfloat{%
13332 \end{minipage}\end{lrbox}%
13333 \stepcounter{r@tfl@t}%
13334 \rot@label{RF\ther@tfl@t}%
13335 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
13336 \edef\@tempa{Adding sideways \@capytype\space on page \R@@page\space}
13337 \rot@mess@toks\expandafter{\@tempa}
13338 \@tempdima\ht\rot@float@box
13339 \advance\@tempdima by \dp\rot@float@box
13340 \wd\rot@float@box\z@
13341 \ht\rot@float@box\z@

```



```

13342 \dp\rot@float@box\z@
13343 \vboxL to \textheight{%
13344   \setkeys{Grot}{units=360}%
13345   \if@rot@twoside
13346   \else
13347     \let\R@@page\rot@LR
13348   \fi
13349   \ifthenelse{\isodd{\R@@page}}{%
13350     \ifrot@messages
13351     \if@rot@twoside
13352     \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
13353 \fi
13354   \fi
13355   \vfill
13356   \@@line{%
13357     \hskip\rotFPtop
13358     \rotatebox{90}{\box\rot@float@box}%
13359     \hskip\rotFPbot
13360   }%
13361 }{%
13362   \ifrot@messages
13363   \if@rot@twoside
13364   \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
13365 \fi
13366   \fi%
13367   \@@line{%
13368     \hskip\rotFPbot
13369     \rotatebox{-90}{\box\rot@float@box}%
13370     \hskip\rotFPtop
13371   }%
13372   \vfill
13373 }%
13374 \rot@message{\the\rot@mess@toks}%
13375 }%
13376 \end@dblfloat
13377 }
13378 \def\turn#1{%
13379   \Grot@setangle{#1}%
13380   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
13381 \def\endturn{%
13382   \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
13383   \unskip\color@endbox
13384   \Grot@x\z@
13385   \Grot@y\z@
13386   \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13387 }
13388 \def\rotate#1{%
13389   \Grot@setangle{#1}%
13390   \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
13391 \def\endrotate{%

```



```

13392 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
13393 \unskip\color@endbox
13394 \Grot@x\z@
13395 \Grot@y\z@
13396 \wd0\z@\dp0\z@\ht0\z@
13397 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13398 }
13399 \def\turnbox#1#2{%
13400 \Grot@setangle{#1}%
13401 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi
13402 \Grot@x\z@\Grot@y\z@
13403 \wd0\z@\dp0\z@\ht0\z@
13404 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13405 }
13406 \def\sideways{%
13407 \Grot@setangle{90}%
13408 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
13409 \def\endsideways{%
13410 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
13411 \unskip\color@endbox
13412 \Grot@x\z@
13413 \Grot@y\z@
13414 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13415 }

```

## 7.96 scrartcl-xetex-bidi.def

```

13416 \ProvidesFile{scrartcl-xetex-bidi.def}[2012/01/01 v0.6 bidi adaptations for scrartcl class for X
13417 \newcommand{\scr@saved@LTRfootnotetext}{}
13418 \newcommand{\scr@saved@RTLfootnotetext}{}
13419 \let\scr@saved@footnotetext\@footnotetext
13420 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
13421 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
13422 \renewcommand{\@footnotetext}[1]{%
13423 \scr@saved@footnotetext{#1}%
13424 \csname FN@mf@prepare\endcsname
13425 }
13426 \renewcommand{\@LTRfootnotetext}[1]{%
13427 \scr@saved@LTRfootnotetext{#1}%
13428 \csname FN@mf@prepare\endcsname
13429 }
13430 \renewcommand{\@RTLfootnotetext}[1]{%
13431 \scr@saved@RTLfootnotetext{#1}%
13432 \csname FN@mf@prepare\endcsname
13433 }
13434 \renewcommand\deffootnote[4][ ]{%
13435 \long\def\@makefntext##1{%
13436 \setlength{\@tempdimc}{#3}%
13437 \def\@tempa{#1}\ifx\@tempa\@empty
13438 \setpar{\@par

```



```

13439     \@tempdima = \hsize
13440     \addtolength{\@tempdima}{-#2}%
13441     \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
13442 \else
13443     \addtolength{\@tempdimc}{#2}%
13444     \addtolength{\@tempdimc}{-#1}%
13445     \@setpar{\@par
13446     \@tempdima = \hsize
13447     \addtolength{\@tempdima}{-#1}%
13448     \@tempdimb = \hsize
13449     \addtolength{\@tempdimb}{-#2}%
13450     \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
13451     }%
13452 \fi
13453 \par
13454 \parindent\@tempdimc\noindent
13455 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
13456 }%
13457 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
13458 }
13459 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
13460 \renewcommand*\left@footnoterule{%
13461 \normalsize\ftn@rule@test@values
13462 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
13463 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13464 {\usekomafont{footnoterule}{%
13465 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}}%
13466 \kern 2.6\p@}
13467 \renewcommand*\right@footnoterule{%
13468 \hbox to \columnwidth
13469 {\beginR \vbox{\kern -3\p@
13470 \normalsize\ftn@rule@test@values
13471 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
13472 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13473 {\usekomafont{footnoterule}{%
13474 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}}%
13475 \kern 2.6\p@}\hfil\endR}}
13476 \renewcommand*\maketitle[1][1]{%
13477 \if@titlepage
13478 \begin{titlepage}
13479 \setcounter{page}{%
13480 #1%
13481 }%
13482 \let\footnotesize\small
13483 \let\right@footnoterule\relax
13484 \let\left@footnoterule\relax
13485 \let\textwidth@footnoterule\relax
13486 \let\footnote\thanks
13487 \let\LTRfootnote\LTRthanks
13488 \let\RTLfootnote\RTLthanks

```



```

13489 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13490 \let\@oldmakefnmark\@makefnmark
13491 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
13492 \ifx\@extratitle\@empty \else
13493 \noindent\@extratitle\next@tpage\cleardoubleemptypage
13494 \thispagestyle{empty}%
13495 \fi
13496 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
13497 \ifx\@titlehead\@empty \else
13498 \begin{minipage}[t]{\textwidth}%
13499 \@titlehead
13500 \end{minipage}\par
13501 \fi
13502 \null\vfill
13503 \begin{center}
13504 \ifx\@subject\@empty \else
13505 {\subject@font \@subject \par}%
13506 \vskip 3em
13507 \fi
13508 {\titlefont\huge \@title\par}%
13509 \vskip 1em
13510 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
13511 \vskip 2em
13512 {\Large \lineskip 0.75em
13513 \begin{tabular}[t]{c}
13514 \@author
13515 \end{tabular}\par
13516 }%
13517 \vskip 1.5em
13518 {\Large \@date \par}%
13519 \vskip \z@ \@plus3fill
13520 {\Large \@publishers \par}%
13521 \vskip 3em
13522 \end{center}\par
13523 \@thanks
13524 \vfill\null
13525 \if@twoside\next@tpage
13526 \begin{minipage}[t]{\textwidth}
13527 \uppertitleback
13528 \end{minipage}\par
13529 \vfill
13530 \begin{minipage}[b]{\textwidth}
13531 \lowertitleback
13532 \end{minipage}
13533 \fi
13534 \ifx\@dedication\@empty \else
13535 \next@tpage\null\vfill
13536 {\centering \Large \@dedication \par}%
13537 \vskip \z@ \@plus3fill
13538 \if@twoside \next@tpage\cleardoubleemptypage \fi

```





```

13539     \fi
13540     \end{titlepage}
13541   \else
13542     \par
13543     \@tempcnta=%
13544     #1%
13545     \relax\ifnum\@tempcnta=1\else
13546       \ClassWarning{KOMAClassName}{%
13547         Optional argument of \string\maketitle\space ignored
13548         at\MessageBreak
13549         notitlepage-mode%
13550       }%
13551     \fi
13552     \begingroup
13553       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13554       \let\@oldmakefnmark\@makefnmark
13555       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
13556       \if@twocolumn
13557         \ifnum \col@number=\@one
13558           \@maketitle
13559         \else
13560           \twocolumn[\@maketitle]%
13561         \fi
13562       \else
13563         \newpage
13564         \global\@topnum\z@
13565         \@maketitle
13566       \fi
13567       \thispagestyle{\titlepagestyle}\@thanks
13568     \endgroup
13569     \fi
13570     \setcounter{footnote}{0}%
13571     \let\thanks\relax
13572     \let\LTRthanks\relax
13573     \let\RTLthanks\relax
13574     \let\maketitle\relax
13575     \let\@maketitle\relax
13576     \global\let\@thanks\@empty
13577     \global\let\@author\@empty
13578     \global\let\@date\@empty
13579     \global\let\@title\@empty
13580     \global\let\@subtitle\@empty
13581     \global\let\@extratitle\@empty
13582     \global\let\@titlehead\@empty
13583     \global\let\@subject\@empty
13584     \global\let\@publishers\@empty
13585     \global\let\@uppertitleback\@empty
13586     \global\let\@lowertitleback\@empty
13587     \global\let\@dedication\@empty
13588     \global\let\author\relax

```



```

13589 \global\let\title\relax
13590 \global\let\extratitle\relax
13591 \global\let\titlehead\relax
13592 \global\let\subject\relax
13593 \global\let\publishers\relax
13594 \global\let\uppertitleback\relax
13595 \global\let\lowertitleback\relax
13596 \global\let\dedication\relax
13597 \global\let\date\relax
13598 \global\let\and\relax
13599 }%
13600 \renewcommand*{\@maketitle}{%
13601 \clearpage
13602 \let\footnote\thanks
13603 \let\LTRfootnote\LTRthanks
13604 \let\RTLfootnote\RTLthanks
13605 \ifx\@extratitle\@empty \else
13606 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
13607 \fi
13608 \setparsizes{\z@}{\z@}{\z@ \@plus 1fil}\par@updaterelative
13609 \ifx\@titlehead\@empty \else
13610 \begin{minipage}[t]{\textwidth}
13611 \@titlehead
13612 \end{minipage}\par
13613 \fi
13614 \null
13615 \vskip 2em%
13616 \begin{center}%
13617 \ifx\@subject\@empty \else
13618 {\subject@font \@subject \par}
13619 \vskip 1.5em
13620 \fi
13621 {\titlefont\huge \@title \par}%
13622 \vskip .5em
13623 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
13624 \vskip 1em
13625 {\Large
13626 \lineskip .5em%
13627 \begin{tabular}[t]{c}
13628 \@author
13629 \end{tabular}\par
13630 }%
13631 \vskip 1em%
13632 {\Large \@date \par}%
13633 \vskip \z@ \@plus 1em
13634 {\Large \@publishers \par}
13635 \ifx\@dedication\@empty \else
13636 \vskip 2em
13637 {\Large \@dedication \par}
13638 \fi

```



```

13639 \end{center}%
13640 \par
13641 \vskip 2em
13642 }%
13643 \renewcommand*\l@part[2]{%
13644 \ifnum \c@tocdepth >\m@ne\relax
13645 \addpenalty{\@secpenalty}%
13646 \addvspace{2.25em \@plus\p@}%
13647 \setlength{\@tempdima}{2em}%
13648 \if@tocleft
13649 \ifx\toc@l@number\@empty\else
13650 \setlength{\@tempdima}{0\toc@l@number}%
13651 \fi
13652 \fi
13653 \begingroup
13654 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13655 \parfillskip -\@pnumwidth
13656 \leavevmode
13657 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13658 \hskip -\if@RTL\rightskip\else\leftskip\fi
13659 {\usekomafont{partentry}{#1\nobreak
13660 \usekomafont{partentrypagenumber}{\hfil\nobreak
13661 \hb@xt@\@pnumwidth{\hss#2}}}\par
13662 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
13663 \endgroup
13664 \penalty20010
13665 \else
13666 \if@compatibility
13667 \global\@nobreaktrue
13668 \everypar{\global\@nobreakfalse\everypar{}}%
13669 \else
13670 \penalty\@highpenalty
13671 \fi
13672 \endgroup
13673 \fi
13674 \fi
13675 }
13676 \renewcommand*\l@section[2]{%
13677 \ifnum \c@tocdepth >\z@
13678 \ifnum \lastpenalty<20009
13679 \addpenalty{\@secpenalty}%
13680 \fi
13681 \addvspace{1.0em \@plus\p@}%
13682 \setlength{\@tempdima}{1.5em}%
13683 \if@tocleft
13684 \ifx\toc@l@number\@empty\else
13685 \setlength{\@tempdima}{0\toc@l@number}%
13686 \fi
13687 \fi
13688 \begingroup

```



```

13689     \raggedsectionentry
13690     \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13691     \parfillskip -\@pnumwidth
13692     \interlinepenalty\@M
13693     \leavevmode
13694     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
13695     {\usekomafont{sectionentry}{#1\nobreak
13696     \usekomafont{sectionentrypagenumber}{\%
13697     \hfill\nobreak
13698     \hb@xt@\@pnumwidth{\hss#2}}}\par
13699     \endgroup
13700     \ifnum \scr@compatibility>\@nameuse{scr@v2.96}\relax
13701     \penalty20008
13702     \fi
13703 \fi
13704 }
13705 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
13706 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
13707 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
13708 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
13709 \renewcommand*{\thesubsubsection}{\%
13710 \thesubsection\@SepMark\@arabic\c@subsubsection
13711 }
13712 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
13713 \renewcommand*{\thesubparagraph}{\%
13714 \theparagraph\@SepMark\@arabic\c@subparagraph
13715 }
13716 \renewenvironment{thebibliography}[1]{\%
13717 \if@bib@break@
13718 \bib@beginhook
13719 \else
13720 \bib@heading
13721 \ifx\bibpreamble\relax\else\ifx\bibpreamble\empty\else
13722 \noindent\bibpreamble\par\nobreak
13723 \fi\fi
13724 \bib@beginhook
13725 \bib@before@hook
13726 \fi
13727 \renewcommand{\BreakBibliography}[1]{\%
13728 \@bib@break
13729 \end{thebibliography}\%
13730 \begingroup ##1\endgroup
13731 \begin{thebibliography}{#1}
13732 }%
13733 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13734 \list{\%
13735 \@biblabel{\@arabic\c@enumiv}\%
13736 }{\%
13737 \settowidth\labelwidth{\@biblabel{#1}}\%
13738 \leftmargin\labelwidth

```



```

13739 \advance\leftmargin\labelsep
13740 \@openbib@code
13741 \if@bib@break@
13742 \edef\@tempa{%
13743 \noexpand\usecounter{enumiv}%
13744 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
13745 }\@tempa
13746 \no@bib@break
13747 \else
13748 \usecounter{enumiv}%
13749 \fi
13750 \let\p@enumiv\@empty
13751 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
13752 }%
13753 \sloppy\clubpenalty4000 \widowpenalty4000
13754 \sfcode`\.=\@m
13755 }{%
13756 \if@bib@break@
13757 \def\@noitemerr{%
13758 \@latex@warning{%
13759 \string\BreakBibliography\space at begin of `thebibliography'
13760 environment\MessageBreak
13761 or following \string\BreakBibliography}%
13762 }%
13763 \else
13764 \def\@noitemerr{%
13765 \@latex@warning{%
13766 Empty `thebibliography' environment or
13767 \string\BreakBibliography\MessageBreak
13768 before end of `thebibliography' environment}%
13769 }%
13770 \fi
13771 \endlist
13772 \if@bib@break@
13773 \else
13774 \bib@after@hook
13775 \let\bib@before@hook\@empty
13776 \let\bib@after@hook\@empty
13777 \fi
13778 \bib@endhook
13779 }
13780 \renewcommand*\left@footnoterule{%
13781 \kern-3\p@
13782 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13783 \hrule\@width.4\columnwidth
13784 \kern 2.6\p@}
13785 \renewcommand*\right@footnoterule{%
13786 \hbox to \columnwidth
13787 {\beginR \vbox{%
13788 \kern-3\p@

```



```

13789 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13790 \hrule\@width.4\columnwidth
13791 \kern 2.6\p@\hfil\endR}}
13792 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
13793 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
13794 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
13795 \renewcommand\marginline[1]{%
13796 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
13797 }
13798 \renewcommand{\@makecaption}[3]{%
13799 \cap@margin
13800 \ifonelinecaptions
13801 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
13802 \let\scr@tmp@footnotetext=\@footnotetext
13803 \let\@footnotetext=\gobble
13804 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
13805 \let\@LTRfootnotetext=\gobble
13806 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
13807 \let\@RTLfootnotetext=\gobble
13808 \sbox\@tempboxa{%
13809 {\capfont{\strut\ignorespaces
13810 #1{\caplabelfont{#2\captionformat}}}%
13811 #3\unskip\strut}}%
13812 }%
13813 \let\@footnotetext=\scr@tmp@footnotetext
13814 \let\scr@tmp@footnotetext=\undefined
13815 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
13816 \let\scr@tmp@LTRfootnotetext=\undefined
13817 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
13818 \let\scr@tmp@RTLfootnotetext=\undefined
13819 \setcounter{footnote}{\@tempcntb}%
13820 \setcounter{mpfootnote}{\@tempcnta}%
13821 \else
13822 \sbox\@tempboxa{\hspace*{2\cap@width}}%
13823 \fi
13824 \begingroup%
13825 \setlength{\@tempdima}{\cap@width}%
13826 \ifdim \wd\@tempboxa >\@tempdima
13827 \hb@xt@\hsize{%
13828 \setbox\@tempboxa\vbox{\hsize=\cap@width
13829 \ifdofullc@p
13830 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
13831 #1{\caplabelfont{#2\captionformat}}}}}%
13832 {\#3\unskip\strut\par}}}%
13833 \else%
13834 \ifdim\cap@indent<\z@
13835 {\capfont{\strut\ignorespaces
13836 #1{\caplabelfont{#2\captionformat\par}}}%
13837 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
13838 \else%

```



```

13839         \if@capbreak
13840         {\capfont{\strut\ignorespaces
13841         #1{\caplabelfont{#2\captionformat\par}}}%
13842         \noindent\hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
13843         \else
13844         {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
13845         {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
13846         {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
13847         \fi
13848         \fi
13849         \fi
13850     }%
13851     \setlength{\@tempdima}{\ht\@tempboxa}%
13852     \addtolength{\@tempdima}{\dp\@tempboxa}%
13853     \addtolength{\@tempdima}{-\ht\strutbox}%
13854     \ht\@tempboxa\ht\strutbox
13855     \dp\@tempboxa\@tempdima
13856     \strut\cap@left
13857     \box\@tempboxa
13858     \cap@right\strut
13859 }%
13860 \else
13861     \global \@minipagefalse
13862     \sbox\@tempboxa{%
13863         {\capfont{\scr@smashdp{\strut\ignorespaces
13864         #1{\caplabelfont{#2\captionformat}}}}}%
13865         #3}}}%
13866     }%
13867     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right\strut}}%
13868     \fi
13869 \endgroup
13870 }
13871 \renewcommand{\@makecaption}[2]{%
13872     \if@captionabove
13873         \vskip\belowcaptionskip
13874     \else
13875         \vskip\abovecaptionskip
13876     \fi
13877     \@@makecaption\@firstofone{#1}{#2}%
13878     \if@captionabove
13879         \vskip\abovecaptionskip
13880     \else
13881         \vskip\belowcaptionskip
13882     \fi
13883 }

```

## 7.97 scrbook-xetex-bidi.def

```

13884 \ProvidesFile{scrbook-xetex-bidi.def}[2012/01/01 v0.6 bidi adaptations for scrbook class for XeTeX]
13885 \newcommand{\scr@sav@L@Rfootnotetext}{}

```



```

13886 \newcommand{\scr@saved@RTLfootnotetext}{%
13887 \let\scr@saved@footnotetext\@footnotetext
13888 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
13889 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
13890 \renewcommand{\@footnotetext}[1]{%
13891   \scr@saved@footnotetext{#1}%
13892   \csname FN@mfp@prepare\endcsname
13893 }
13894 \renewcommand{\@LTRfootnotetext}[1]{%
13895   \scr@saved@LTRfootnotetext{#1}%
13896   \csname FN@mfp@prepare\endcsname
13897 }
13898 \renewcommand{\@RTLfootnotetext}[1]{%
13899   \scr@saved@RTLfootnotetext{#1}%
13900   \csname FN@mfp@prepare\endcsname
13901 }
13902 \renewcommand\deffootnote[4][1]{%
13903   \long\def\@makefnmark##1{%
13904     \setlength{\@tempdimc}{#3}%
13905     \def\@tempa{#1}\ifx\@tempa\@empty
13906       \setpar{\@par
13907         \@tempdima = \hsize
13908         \addtolength{\@tempdima}{-#2}%
13909         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
13910       \else
13911         \addtolength{\@tempdimc}{#2}%
13912         \addtolength{\@tempdimc}{-#1}%
13913         \setpar{\@par
13914           \@tempdima = \hsize
13915           \addtolength{\@tempdima}{-#1}%
13916           \@tempdimb = \hsize
13917           \addtolength{\@tempdimb}{-#2}%
13918           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@tempdimb}%
13919         }%
13920       \fi
13921       \par
13922       \parindent\@tempdimc\noindent
13923       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
13924     }%
13925     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
13926 }
13927 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
13928 \renewcommand*\left@footnoterule{%
13929   \normalsize\ftn@rule@test@values
13930   \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
13931   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13932   {\usekomafont{footnoterule}{%
13933     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
13934   \kern 2.6\p@}
13935 \renewcommand*\right@footnoterule{%

```





```

13936 \hbox to \columnwidth
13937 {\beginR \vbox{\kern -3\p@
13938 \normalsize\ftn@rule@test@values
13939 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
13940 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13941 {\usekomafont{footnoterule}{%
13942 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}}%
13943 \kern 2.6\p@}\hfil\endR}}
13944 \renewcommand*\maketitle[1][1]{%
13945 \if@titlepage
13946 \begin{titlepage}
13947 \setcounter{page}{%
13948 #1%
13949 }%
13950 \let\footnotesize\small
13951 \let\right@footnoterule\relax
13952 \let\left@footnoterule\relax
13953 \let\textwidth@footnoterule\relax
13954 \let\footnote\thanks
13955 \let\LTRfootnote\LTRthanks
13956 \let\RTLfootnote\RTLthanks
13957 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13958 \let\@oldmakefnmark\@makefnmark
13959 \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}%
13960 \ifx\@extratitle\@empty \else
13961 \noindent\@extratitle\next@tpage\cleardoubleemptypage
13962 \thispagestyle{empty}%
13963 \fi
13964 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
13965 \ifx\@titlehead\@empty \else
13966 \begin{minipage}[t]{\textwidth}%
13967 \@titlehead
13968 \end{minipage}\par
13969 \fi
13970 \null\vfill
13971 \begin{center}
13972 \ifx\@subject\@empty \else
13973 {\subject@font \@subject \par}%
13974 \vskip 3em
13975 \fi
13976 {\titlefont\huge \@title\par}%
13977 \vskip 1em
13978 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
13979 \vskip 2em
13980 {\Large \lineskip 0.75em
13981 \begin{tabular}[t]{c}
13982 \@author
13983 \end{tabular}\par
13984 }%
13985 \vskip 1.5em

```



```

13986      {\Large \@date \par}%
13987      \vskip \z@ \@plus3fill
13988      {\Large \@publishers \par}%
13989      \vskip 3em
13990      \end{center}\par
13991      \@thanks
13992      \vfill\null
13993      \if@twoside\next@tpage
13994      \begin{minipage}[t]{\textwidth}
13995      \uppertitleback
13996      \end{minipage}\par
13997      \vfill
13998      \begin{minipage}[b]{\textwidth}
13999      \lowertitleback
14000      \end{minipage}
14001      \fi
14002      \ifx\@dedication\@empty \else
14003      \next@tpage\null\vfill
14004      {\centering \Large \@dedication \par}%
14005      \vskip \z@ \@plus3fill
14006      \if@twoside \next@tpage\cleardoubleemptypage \fi
14007      \fi
14008      \end{titlepage}
14009      \else
14010      \par
14011      \@tempcnta=
14012      #1%
14013      \relax\ifnum\@tempcnta=1\else
14014      \ClassWarning{KOMAClassName}{%
14015      Optional argument of \string\maketitle\space ignored
14016      at\MessageBreak
14017      notitlepage-mode%
14018      }%
14019      \fi
14020      \begingroup
14021      \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14022      \let\@oldmakefnmark\@makefnmark
14023      \renewcommand*{\@makefnmark}{\rlap{\@oldmakefnmark}}
14024      \if@twocolumn
14025      \ifnum \col@number=\@ne
14026      \maketitle
14027      \else
14028      \twocolumn[\maketitle]%
14029      \fi
14030      \else
14031      \newpage
14032      \global\@topnum\z@
14033      \maketitle
14034      \fi
14035      \thispagestyle{\titlepagestyle}\@thanks

```



```

14036 \endgroup
14037 \fi
14038 \setcounter{footnote}{0}%
14039 \let\thanks\relax
14040 \let\LTRthanks\relax
14041 \let\RTLthanks\relax
14042 \let\maketitle\relax
14043 \let\@maketitle\relax
14044 \global\let\@thanks\@empty
14045 \global\let\@author\@empty
14046 \global\let\@date\@empty
14047 \global\let\@title\@empty
14048 \global\let\@subtitle\@empty
14049 \global\let\@extratitle\@empty
14050 \global\let\@titlehead\@empty
14051 \global\let\@subject\@empty
14052 \global\let\@publishers\@empty
14053 \global\let\@uppertitleback\@empty
14054 \global\let\@lowertitleback\@empty
14055 \global\let\@dedication\@empty
14056 \global\let\author\relax
14057 \global\let\title\relax
14058 \global\let\extratitle\relax
14059 \global\let\titlehead\relax
14060 \global\let\subject\relax
14061 \global\let\publishers\relax
14062 \global\let\uppertitleback\relax
14063 \global\let\lowertitleback\relax
14064 \global\let\dedication\relax
14065 \global\let\date\relax
14066 \global\let\and\relax
14067 }%
14068 \renewcommand*{\@maketitle}{%
14069 \clearpage
14070 \let\footnote\thanks
14071 \let\LTRfootnote\LTRthanks
14072 \let\RTLfootnote\RTLthanks
14073 \ifx\@extratitle\@empty \else
14074 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
14075 \fi
14076 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14077 \ifx\@titlehead\@empty \else
14078 \begin{minipage}[t]{\textwidth}
14079 \@titlehead
14080 \end{minipage}\par
14081 \fi
14082 \null
14083 \vskip 2em%
14084 \begin{center}%
14085 \ifx\@subject\@empty \else

```



```

14086      {\subject@font \@subject \par}
14087      \vskip 1.5em
14088      \fi
14089      {\titlefont\huge \@title \par}%
14090      \vskip .5em
14091      {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14092      \vskip 1em
14093      {\Large
14094       \lineskip .5em%
14095       \begin{tabular}[t]{c}
14096         \@author
14097       \end{tabular}\par
14098      }%
14099      \vskip 1em%
14100      {\Large \@date \par}%
14101      \vskip \z@ \@plus 1em
14102      {\Large \@publishers \par}
14103      \ifx\@dedication\@empty \else
14104        \vskip 2em
14105        {\Large \@dedication \par}
14106      \fi
14107      \end{center}}%
14108      \par
14109      \vskip 2em
14110    }%
14111    \renewcommand*{\l@part[2]}{%
14112      \ifnum \c@tocdepth >-2\relax
14113        \addpenalty{-\@highpenalty}%
14114        \addvspace{2.25em \@plus\p@}%
14115        \setlength{\@tempdima}{2em}%
14116        \if@tocleft
14117          \ifx\toc@l@number\@empty\else
14118            \setlength{\@tempdima}{0\toc@l@number}%
14119          \fi
14120        \fi
14121        \begingroup
14122          \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14123          \parfillskip -\@pnumwidth
14124          \leavevmode
14125          \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
14126          \hskip -\if@RTL\rightskip\else\leftskip\fi
14127          {\usekomafont{partentry}{#1\nobreak
14128           \usekomafont{partentrypagenumber}{\hfil\nobreak
14129            \hb@xt@\@pnumwidth{\hss#2}}}\par
14130          \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14131          \endgroup
14132          \penalty20010
14133        \else
14134          \penalty\@highpenalty
14135        \endgroup

```



```

14136 \fi
14137 \fi
14138 }\renewcommand*\l@part[2]{%
14139 \ifnum \c@tocdepth >-2\relax
14140 \addpenalty{-\@highpenalty}%
14141 \addvspace{2.25em \@plus\p@}%
14142 \setlength{\@tempdima}{2em}%
14143 \if@tocleft
14144 \ifx\toc@l@number\@empty\else
14145 \setlength{\@tempdima}{0\toc@l@number}%
14146 \fi
14147 \fi
14148 \begingroup
14149 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14150 \parfillskip -\@pnumwidth
14151 \leavevmode
14152 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
14153 \hskip -\if@RTL\rightskip\else\leftskip\fi
14154 {\usekomafont{partentry}{#1\nobreak
14155 \usekomafont{partentrypagenumber}{\hfil\nobreak
14156 \hb@xt@\@pnumwidth{\hss#2}}}\par
14157 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14158 \endgroup
14159 \penalty20010
14160 \else
14161 \penalty\@highpenalty
14162 \endgroup
14163 \fi
14164 \fi
14165 }
14166 \renewcommand*\l@chapter[2]{%
14167 \ifnum \c@tocdepth >\m@ne
14168 \ifnum \lastpenalty<20010
14169 \addpenalty{-\@highpenalty}%
14170 \fi
14171 \vskip 1.0em \@plus\p@
14172 \setlength{\@tempdima}{1.5em}%
14173 \if@tocleft
14174 \ifx\toc@l@number\@empty\else
14175 \setlength{\@tempdima}{0\toc@l@number}%
14176 \fi
14177 \fi
14178 \begingroup
14179 \raggedchapterentry
14180 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14181 \parfillskip -\@pnumwidth
14182 \interlinepenalty\@M
14183 \leavevmode
14184 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
14185 {\usekomafont{chapterentry}{#1\nobreak

```



```

14186         \usekomafont{chapterentrypagenumber}{%
14187             \hfill\nobreak
14188             \hb@xt@{\pnumwidth{\hss#2}}{\par
14189                 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14190                 \endgroup
14191                 \penalty20009
14192             \else
14193                 \penalty\@highpenalty
14194             \endgroup
14195         \fi
14196     \fi
14197 }
14198 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
14199 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
14200 \renewcommand*\thesection{%
14201     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
14202         \if@mainmatter\thechapter\@SepMark\fi
14203     \else
14204         \thechapter\@SepMark%
14205     \fi
14206     \@arabic\c@section
14207 }
14208 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
14209 \renewcommand*{\thesubsubsection}{%
14210     \thesubsection\@SepMark\@arabic\c@subsubsection
14211 }
14212 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14213 \renewcommand*{\thesubparagraph}{%
14214     \theparagraph\@SepMark\@arabic\c@subparagraph
14215 }
14216 \renewcommand*\thefigure{%
14217     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
14218         \if@mainmatter\thechapter\@SepMark\fi
14219     \else
14220         \thechapter\@SepMark%
14221     \fi
14222     \@arabic\c@figure
14223 }
14224 \renewcommand*\thetable{%
14225     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
14226         \if@mainmatter\thechapter\@SepMark\fi
14227     \else
14228         \thechapter\@SepMark%
14229     \fi
14230     \@arabic\c@table
14231 }
14232 \renewcommand*\theequation{%
14233     \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
14234         \if@mainmatter\thechapter\@SepMark\fi
14235     \else

```



```

14236 \thechapter\@SepMark%
14237 \fi
14238 \@arabic\c@equation
14239 }
14240 \renewenvironment{thebibliography}[1]{%
14241 \if@bib@break@
14242 \bib@beginhook
14243 \else
14244 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
14245 \setchapterpreamble{\bibpreamble}%
14246 \fi\fi
14247 \bib@heading
14248 \bib@beginhook
14249 \bib@before@hook
14250 \fi
14251 \renewcommand{\BreakBibliography}[1]{%
14252 \@bib@break
14253 \end{thebibliography}%
14254 \begingroup ##1\endgroup
14255 \begin{thebibliography}{#1}
14256 }%
14257 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14258 \list{%
14259 \@biblabel{\@arabic\c@enumiv}%
14260 }{%
14261 \settowidth\labelwidth{\@biblabel{#1}}%
14262 \leftmargin\labelwidth
14263 \advance\leftmargin\labelsep
14264 \@openbib@code
14265 \if@bib@break@
14266 \edef\@tempa{%
14267 \noexpand\usecounter{enumiv}%
14268 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
14269 }\@tempa
14270 \no@bib@break
14271 \else
14272 \usecounter{enumiv}%
14273 \fi
14274 \let\p@enumiv\@empty
14275 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
14276 }%
14277 \sloppy\clubpenalty4000 \widowpenalty4000
14278 \sfcode`\.=\@m
14279 }{%
14280 \if@bib@break@
14281 \def\@noitemerr{%
14282 \@latex@warning{%
14283 \string\BreakBibliography\space at begin of `thebibliography'
14284 environment\MessageBreak
14285 or following \string\BreakBibliography}%

```



```

14286 }%
14287 \else
14288 \def\@noitemerr{%
14289 \latex@warning{%
14290 Empty `thebibliography' environment or
14291 \string\BreakBibliography\MessageBreak
14292 before end of `thebibliography' environment}%
14293 }%
14294 \fi
14295 \endlist
14296 \if@bib@break@
14297 \else
14298 \bib@after@hook
14299 \let\bib@before@hook\@empty
14300 \let\bib@after@hook\@empty
14301 \fi
14302 \bib@endhook
14303 }
14304 \renewcommand*\left@footnoterule{%
14305 \kern-3\p@
14306 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14307 \hrule\@width.4\columnwidth
14308 \kern 2.6\p@}
14309 \renewcommand*\right@footnoterule{%
14310 \hbox to \columnwidth
14311 {\beginR \vbox{%
14312 \kern-3\p@
14313 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14314 \hrule\@width.4\columnwidth
14315 \kern 2.6\p@}\hfil\endR}}
14316 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
14317 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
14318 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
14319 \renewcommand\marginline[1]{%
14320 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
14321 }
14322 \renewcommand{\@makecaption}[3]{%
14323 \cap@margin
14324 \ifonelinecaptions
14325 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
14326 \let\scr@tmp@footnotetext=\@footnotetext
14327 \let\@footnotetext=\@gobble
14328 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
14329 \let\@LTRfootnotetext=\@gobble
14330 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
14331 \let\@RTLfootnotetext=\@gobble
14332 \sbox\@tempboxa{%
14333 {\capfont{\strut\ignorespaces
14334 #1{\caplabelfont{#2\captionformat}}}%
14335 #3\unskip\strut}}%

```





```

14336 }%
14337 \let\@footnotetext=\scr@tmp@footnotetext
14338 \let\scr@tmp@footnotetext=\undefined
14339 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
14340 \let\scr@tmp@LTRfootnotetext=\undefined
14341 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
14342 \let\scr@tmp@RTLfootnotetext=\undefined
14343 \setcounter{footnote}{\@tempcntb}%
14344 \setcounter{mpfootnote}{\@tempcnta}%
14345 \else
14346 \sbox\@tempboxa{\hspace*{2\cap@width}}%
14347 \fi
14348 \begingroup%
14349 \setlength{\@tempdima}{\cap@width}%
14350 \ifdim \wd\@tempboxa >\@tempdima
14351 \hb@xt@\hsize{%
14352 \setbox\@tempboxa\vbox{\hsize=\cap@width
14353 \ifdoofullc@p
14354 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
14355 #1{\caplabelfont{#2\captionformat}}}}}%
14356 {#3\unskip\strut\par}}}%
14357 \else%
14358 \ifdim\cap@indent<\z@
14359 {\capfont{\strut\ignorespaces
14360 #1{\caplabelfont{#2\captionformat\par}}}%
14361 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
14362 \else%
14363 \if@capbreak
14364 {\capfont{\strut\ignorespaces
14365 #1{\caplabelfont{#2\captionformat\par}}}%
14366 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
14367 \else
14368 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
14369 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
14370 {\caplabelfont{#2\captionformat}}}{#3\unskip\strut\par}}}%
14371 \fi
14372 \fi
14373 \fi
14374 }%
14375 \setlength{\@tempdima}{\ht\@tempboxa}%
14376 \addtolength{\@tempdima}{\dp\@tempboxa}%
14377 \addtolength{\@tempdima}{-\ht\strutbox}%
14378 \ht\@tempboxa\ht\strutbox
14379 \dp\@tempboxa\@tempdima
14380 \strut\cap@left
14381 \box\@tempboxa
14382 \cap@right\strut
14383 }%
14384 \else
14385 \global \@minipagefalse

```



```

14386      \sbox\@tempboxa{%
14387        {\capfont{\scr@smashdp{\strut\ignorespaces
14388          #1{\caplabelfont{#2\captionformat}}}}}%
14389          #3}}}%
14390      }%
14391      {\capfont{\hb@xt@\hsize{\strut\cap@left@if@RTL\beginR\fi\box\@tempboxa@if@RTL\endR\fi\cap
14392      \fi
14393      \endgroup
14394  }
14395  \renewcommand{\@makecaption}[2]{%
14396    \if@captionabove
14397      \vskip\belowcaptionskip
14398    \else
14399      \vskip\abovecaptionskip
14400    \fi
14401    \@makecaption\@firstofone{#1}{#2}%
14402    \if@captionabove
14403      \vskip\abovecaptionskip
14404    \else
14405      \vskip\belowcaptionskip
14406    \fi
14407  }

```

## 7.98 scrlettr-xetex-bidi.def

```

14408 \ProvidesFile{scrlettr-xetex-bidi.def}[2011/09/24 v0.2 bidi adaptations for scrlettr class for X
14409 \renewcommand\deffootnote[4] []{%
14410   \long\def\@makefnmark##1{%
14411     \edef\@tempa{#1}\ifx\@tempa\@empty
14412       \setpar{\@par
14413         \@tempdima = \hsize
14414         \addtolength{\@tempdima}{-#2}
14415         \if@RTL\parshape \@ne 0pt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
14416     \else
14417       \setpar{\@par
14418         \@tempdima = \hsize
14419         \addtolength{\@tempdima}{-#1}
14420         \@tempdimb = \hsize
14421         \addtolength{\@tempdimb}{-#2}
14422         \if@RTL\parshape \tw@ 0pt \@tempdima 0pt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
14423       \fi
14424       \par
14425       \parindent #3\noindent
14426       \hbox to \z@{\hss\@makefnmark}##1}
14427   \def\@makefnmark{\hbox{#4}}
14428 }
14429 \deffootnote[1em]{1.5em}{1em}
14430 {\textsuperscript{\thefootnotemark}}
14431 \def\left@footnoterule{\kern-1\p@
14432   \hrule width 0.4\columnwidth

```



```

14433 \kern .6\p@}
14434 \def\right@footnoterule{%
14435 \hbox to \columnwidth
14436 {\beginR \vbox{\kern -3\p@
14437 \kern-1\p@
14438 \hrule width 0.4\columnwidth
14439 \kern .6\p@}\hfil\endR}}
14440 \def\@datefield{\@reffalse
14441 \ifx\varyourref\@empty \else \@reftrue \fi
14442 \ifx\varyourmail\@empty \else \@reftrue \fi
14443 \ifx\varmyref\@empty \else \@reftrue \fi
14444 \ifx\varcustomer\@empty \else \@reftrue \fi
14445 \ifx\varinvoice\@empty \else \@reftrue \fi
14446 \ifx\varrefitemi\@empty \else \@reftrue \fi
14447 \ifx\varrefitemii\@empty \else \@reftrue \fi
14448 \ifx\varrefitemiii\@empty \else \@reftrue \fi
14449 \vskip -\parskip
14450 \vskip \refvskip
14451 \if@ref
14452 \ifx\varyourref\@empty \else
14453 \settowidth{\sc@temp}{\varyourref}
14454 \setbox0\hbox{\scriptsize \sf \yourrefname}
14455 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14456 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourref}\hfill
14457 \fi
14458 \ifx\varyourmail\@empty \else
14459 \settowidth{\sc@temp}{\varyourmail}
14460 \setbox0\hbox{\scriptsize \sf \yourmailname}
14461 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14462 \parbox[t]{\sc@@temp}{\noindent \box0\par \varyourmail}\hfill
14463 \fi
14464 \ifx\varmyref\@empty \else
14465 \settowidth{\sc@temp}{\varmyref}
14466 \setbox0\hbox{\scriptsize \sf \myrefname}
14467 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14468 \parbox[t]{\sc@@temp}{\noindent \box0\par \varmyref}\hfill
14469 \fi
14470 \ifx\varcustomer\@empty \else
14471 \settowidth{\sc@temp}{\varcustomer}
14472 \setbox0\hbox{\scriptsize \sf \customername}
14473 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14474 \parbox[t]{\sc@@temp}{\noindent \box0\par \varcustomer}\hfill
14475 \fi
14476 \ifx\varinvoice\@empty \else
14477 \settowidth{\sc@temp}{\varinvoice}
14478 \setbox0\hbox{\scriptsize \sf \invoicename}
14479 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14480 \parbox[t]{\sc@@temp}{\noindent \box0\par \varinvoice}\hfill
14481 \fi
14482 \ifx\varrefitemi\@empty \else

```



```

14483 \settowidth{\sc@temp}{\varrefitemi}
14484 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
14485 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14486 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
14487 \fi
14488 \ifx\varrefitemii\@empty \else
14489 \settowidth{\sc@temp}{\varrefitemii}
14490 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
14491 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14492 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
14493 \fi
14494 \ifx\varrefitemiii\@empty \else
14495 \settowidth{\sc@temp}{\varrefitemiii}
14496 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
14497 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14498 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
14499 \fi
14500 \ifx\@date\@empty \else
14501 \settowidth{\sc@temp}{\@date}
14502 \setbox0\hbox{\scriptsize \sf \datename}
14503 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14504 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
14505 \fi
14506 \par
14507 \vspace{2.5\baselineskip}
14508 \else
14509 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
14510 \vspace{1.5\baselineskip}
14511 \fi}
14512 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
14513 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
14514 -\sigindent \hspace{\sigindent}}%
14515 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@ski
14516 \fromsig\strut\par
14517 \vspace{1.5\baselineskip}}

```

## 7.99 scrreprt-xetex-bidi.def

```

14518 \ProvidesFile{scrreprt-xetex-bidi.def}[2012/01/01 v0.6 bidi adaptations for scrreprt class for X
14519 \newcommand{\scr@saved@LTRfootnotetext}{}
14520 \newcommand{\scr@saved@RTLfootnotetext}{}
14521 \let\scr@saved@footnotetext\@footnotetext
14522 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
14523 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
14524 \renewcommand{\@footnotetext}[1]{%
14525 \scr@saved@footnotetext{#1}%
14526 \csname FN@mfb@prepare\endcsname
14527 }
14528 \renewcommand{\@LTRfootnotetext}[1]{%
14529 \scr@saved@LTRfootnotetext{#1}%

```



```

14530 \csname FN@mf@prepare\endcsname
14531 }
14532 \renewcommand{\@RTLfootnotetext}[1]{%
14533 \scr@saved@RTLfootnotetext{#1}%
14534 \csname FN@mf@prepare\endcsname
14535 }
14536 \renewcommand\deffootnote[4] [] {%
14537 \long\def\@makefnmark##1{%
14538 \setlength{\@tempdimc}{#3}%
14539 \def\@tempa{#1}\ifx\@tempa\@empty
14540 \setpar{\@par
14541 \@tempdima = \hsize
14542 \addtolength{\@tempdima}{-#2}%
14543 \if@RTL\parshape \@one Opt \@tempdima\else\parshape \@one #2 \@tempdima\fi}%
14544 \else
14545 \addtolength{\@tempdimc}{#2}%
14546 \addtolength{\@tempdimc}{-#1}%
14547 \setpar{\@par
14548 \@tempdima = \hsize
14549 \addtolength{\@tempdima}{-#1}%
14550 \@tempdimb = \hsize
14551 \addtolength{\@tempdimb}{-#2}%
14552 \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@t
14553 }%
14554 \fi
14555 \par
14556 \parindent\@tempdimc\noindent
14557 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
14558 }%
14559 \def\@makefnmark{\hbox{\ftnm@font{#4}}}%
14560 }
14561 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
14562 \renewcommand*\left@footnoterule{%
14563 \normalsize\ftn@rule@test@values
14564 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
14565 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14566 {\usekomafont{footnoterule}{%
14567 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14568 \kern 2.6\p@}
14569 \renewcommand*\right@footnoterule{%
14570 \hbox to \columnwidth
14571 {\beginR \vbox{\kern -3\p@
14572 \normalsize\ftn@rule@test@values
14573 \kern-\dimexpr 2.6\p+ \ftn@rule@height\relax
14574 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14575 {\usekomafont{footnoterule}{%
14576 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14577 \kern 2.6\p@}\hfil\endR}}
14578 \renewcommand*\maketitle[1] [1]{%
14579 \if@titlepage

```



```

14580 \begin{titlepage}
14581   \setcounter{page}{\%
14582     #1%
14583   }%
14584   \let\footnotesize\small
14585   \let\right@footnoterule\relax
14586   \let\left@footnoterule\relax
14587   \let\textwidth@footnoterule\relax
14588   \let\footnote\thanks
14589   \let\LTRfootnote\LTRthanks
14590   \let\RTLfootnote\RTLthanks
14591   \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14592   \let\@oldmakefnmark\@makefnmark
14593   \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
14594   \ifx\@extratitle\@empty \else
14595     \noindent\@extratitle\next@tpage\cleardoubleemptypage
14596     \thispagestyle{empty}%
14597   \fi
14598   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14599   \ifx\@titlehead\@empty \else
14600     \begin{minipage}[t]{\textwidth}%
14601       \@titlehead
14602     \end{minipage}\par
14603   \fi
14604   \null\vfill
14605   \begin{center}
14606     \ifx\@subject\@empty \else
14607       {\subject@font \@subject \par}%
14608       \vskip 3em
14609     \fi
14610     {\titlefont\huge \@title\par}%
14611     \vskip 1em
14612     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14613     \vskip 2em
14614     {\Large \lineskip 0.75em
14615       \begin{tabular}[t]{c}
14616         \@author
14617       \end{tabular}\par
14618     }%
14619     \vskip 1.5em
14620     {\Large \@date \par}%
14621     \vskip \z@ \@plus3fill
14622     {\Large \@publishers \par}%
14623     \vskip 3em
14624   \end{center}\par
14625   \@thanks
14626   \vfill\null
14627   \if@twoside\next@tpage
14628     \begin{minipage}[t]{\textwidth}
14629       \uppertitleback

```



```

14630         \end{minipage}\par
14631         \vfill
14632         \begin{minipage}[b]{\textwidth}
14633             \@lowertitleback
14634         \end{minipage}
14635     \fi
14636     \ifx\@dedication\@empty \else
14637         \next@tpage\null\vfill
14638         {\centering \Large \@dedication \par}%
14639         \vskip \z@ \@plus3fill
14640         \if@twoside \next@tpage\cleardoubleemptypage \fi
14641     \fi
14642 \end{titlepage}
14643 \else
14644     \par
14645     \@tempcnta=
14646     #1%
14647     \relax\ifnum\@tempcnta=1\else
14648         \ClassWarning{KOMAClassName}{%
14649             Optional argument of \string\maketitle\space ignored
14650             at\MessageBreak
14651             notitlepage-mode%
14652         }%
14653     \fi
14654     \begingroup
14655         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14656         \let\@oldmakefnmark\@makefnmark
14657         \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}
14658         \if@twocolumn
14659             \ifnum \col@number=\@one
14660                 \@maketitle
14661             \else
14662                 \twocolumn[\@maketitle]%
14663             \fi
14664         \else
14665             \newpage
14666             \global\@topnum\z@
14667             \@maketitle
14668         \fi
14669         \thispagestyle{\titlepagestyle}\@thanks
14670     \endgroup
14671 \fi
14672 \setcounter{footnote}{0}%
14673 \let\thanks\relax
14674 \let\LTRthanks\relax
14675 \let\RTLthanks\relax
14676 \let\maketitle\relax
14677 \let\@maketitle\relax
14678 \global\let\@thanks\@empty
14679 \global\let\@author\@empty

```



```

14680 \global\let\@date\@empty
14681 \global\let\@title\@empty
14682 \global\let\@subtitle\@empty
14683 \global\let\@extratitle\@empty
14684 \global\let\@titlehead\@empty
14685 \global\let\@subject\@empty
14686 \global\let\@publishers\@empty
14687 \global\let\@uppertitleback\@empty
14688 \global\let\@lowertitleback\@empty
14689 \global\let\@dedication\@empty
14690 \global\let\author\relax
14691 \global\let\title\relax
14692 \global\let\extratitle\relax
14693 \global\let\titlehead\relax
14694 \global\let\subject\relax
14695 \global\let\publishers\relax
14696 \global\let\uppertitleback\relax
14697 \global\let\lowertitleback\relax
14698 \global\let\dedication\relax
14699 \global\let\date\relax
14700 \global\let\and\relax
14701 }%
14702 \renewcommand*{\@maketitle}{%
14703 \clearpage
14704 \let\footnote\thanks
14705 \let\LTRfootnote\LTRthanks
14706 \let\RTLfootnote\RTLthanks
14707 \ifx\@extratitle\@empty \else
14708 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
14709 \fi
14710 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updateerelative
14711 \ifx\@titlehead\@empty \else
14712 \begin{minipage}[t]{\textwidth}
14713 \@titlehead
14714 \end{minipage}\par
14715 \fi
14716 \null
14717 \vskip 2em%
14718 \begin{center}%
14719 \ifx\@subject\@empty \else
14720 {\subject@font \@subject \par}
14721 \vskip 1.5em
14722 \fi
14723 {\titlefont\huge \@title \par}%
14724 \vskip .5em
14725 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14726 \vskip 1em
14727 {\Large
14728 \lineskip .5em%
14729 \begin{tabular}[t]{c}

```





```

14730         \@author
14731     \end{tabular}\par
14732 }%
14733 \vskip 1em%
14734 {\Large \@date \par}%
14735 \vskip \z@ \@plus 1em
14736 {\Large \@publishers \par}
14737 \ifx\@dedication\@empty \else
14738     \vskip 2em
14739     {\Large \@dedication \par}
14740 \fi
14741 \end{center}%
14742 \par
14743 \vskip 2em
14744 }%
14745 \renewcommand*\l@part[2]{%
14746     \ifnum \c@tocdepth >-2\relax
14747         \addpenalty{-\@highpenalty}%
14748         \addvspace{2.25em \@plus\p@}%
14749         \setlength{\@tempdima}{2em}%
14750         \if@tocleft
14751             \ifx\toc@l@number\@empty\else
14752                 \setlength{\@tempdima}{0\toc@l@number}%
14753             \fi
14754         \fi
14755         \begingroup
14756             \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14757             \parfillskip -\@pnumwidth
14758             \leavevmode
14759             \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
14760             \hskip -\if@RTL\rightskip\else\leftskip\fi
14761             {\usekomafont{partentry}{#1\nobreak
14762                 \usekomafont{partentrypagenumber}{\hfil\nobreak
14763                     \hb@xt@{\@pnumwidth}{\hss#2}}}\par
14764             \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14765             \endgroup
14766             \penalty20010
14767         \else
14768             \penalty\@highpenalty
14769         \endgroup
14770     \fi
14771 \fi
14772 }
14773 \renewcommand*\l@chapter[2]{%
14774     \ifnum \c@tocdepth >\m@ne
14775         \ifnum \lastpenalty<20010
14776             \addpenalty{-\@highpenalty}%
14777         \fi
14778         \vskip 1.0em \@plus\p@
14779         \setlength{\@tempdima}{1.5em}%

```



```

14780 \if@tocleft
14781 \ifx\toc@l@number\empty\else
14782 \setlength\@tempdima{0\toc@l@number}%
14783 \fi
14784 \fi
14785 \beginngroup
14786 \raggedchapterentry
14787 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14788 \parfillskip -\@pnumwidth
14789 \interlinepenalty\@M
14790 \leavevmode
14791 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightsk
14792 {\usekomafont{chapterentry}{#1\nobreak
14793 \usekomafont{chapterentrypagenumber}{\%
14794 \hfill\nobreak
14795 \hbxt@\@pnumwidth{\hss#2}}}\par
14796 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14797 \endgroup
14798 \penalty20009
14799 \else
14800 \penalty\@highpenalty
14801 \endgroup
14802 \fi
14803 \fi
14804 }
14805 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
14806 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
14807 \renewcommand*\thesection{\%
14808 \thechapter\@SepMark%
14809 \@arabic\c@section
14810 }
14811 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
14812 \renewcommand*{\thesubsubsection}{\%
14813 \thesubsection\@SepMark\@arabic\c@subsubsection
14814 }
14815 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14816 \renewcommand*{\thesubparagraph}{\%
14817 \theparagraph\@SepMark\@arabic\c@subparagraph
14818 }
14819 \renewcommand*\thefigure{\%
14820 \thechapter\@SepMark%
14821 \@arabic\c@figure
14822 }
14823 \renewcommand*\thetable{\%
14824 \thechapter\@SepMark%
14825 \@arabic\c@table
14826 }
14827 \renewcommand*\theequation{\%
14828 \thechapter\@SepMark%
14829 \@arabic\c@equation

```



```

14830 }
14831 \renewenvironment{thebibliography}[1]{%
14832   \if@bib@break@
14833     \bib@beginhook
14834   \else
14835     \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
14836       \setchapterpreamble{\bibpreamble}%
14837     \fi\fi
14838     \bib@heading
14839     \bib@beginhook
14840     \bib@before@hook
14841   \fi
14842   \renewcommand{\BreakBibliography}[1]{%
14843     \@bib@break
14844     \end{thebibliography}%
14845     \begingroup ##1\endgroup
14846     \begin{thebibliography}{#1}
14847   }%
14848   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
14849   \list{%
14850     \@biblabel{\@arabic\c@enumiv}%
14851   }{%
14852     \settowidth\labelwidth{\@biblabel{#1}}%
14853     \leftmargin\labelwidth
14854     \advance\leftmargin\labelsep
14855     \@openbib@code
14856     \if@bib@break@
14857       \edef\@tempa{%
14858         \noexpand\usecounter{enumiv}%
14859         \noexpand\setcounter{enumiv}{\the\c@enumiv}%
14860       }\@tempa
14861       \no@bib@break
14862     \else
14863       \usecounter{enumiv}%
14864     \fi
14865     \let\p@enumiv\@empty
14866     \renewcommand*\theenumiv{\@arabic\c@enumiv}%
14867   }%
14868   \sloppy\clubpenalty4000 \widowpenalty4000
14869   \sfcode`\.=\@m
14870 }{%
14871   \if@bib@break@
14872     \def\@noitemerr{%
14873       \@latex@warning{%
14874         \string\BreakBibliography\space at begin of `thebibliography'
14875         environment\MessageBreak
14876         or following \string\BreakBibliography}%
14877     }%
14878   \else
14879     \def\@noitemerr{%

```



```

14880 \latex@warning{%
14881     Empty `thebibliography' environment or
14882     \string\BreakBibliography\MessageBreak
14883     before end of `thebibliography' environment}%
14884 }%
14885 \fi
14886 \endlist
14887 \if@bib@break@
14888 \else
14889     \bib@after@hook
14890     \let\bib@before@hook\empty
14891     \let\bib@after@hook\empty
14892 \fi
14893 \bib@endhook
14894 }
14895 \renewcommand*\left@footnoterule{%
14896     \kern-3\p@
14897     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14898     \hrule\@width.4\columnwidth
14899     \kern 2.6\p@}
14900 \renewcommand*\right@footnoterule{%
14901     \hbox to \columnwidth
14902     {\beginR \vbox{%
14903         \kern-3\p@
14904         \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14905         \hrule\@width.4\columnwidth
14906         \kern 2.6\p@}\hfil\endR}}
14907 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
14908 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
14909 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
14910 \renewcommand\marginline[1]{%
14911     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}}
14912 }
14913 \renewcommand{\@@makecaption}[3]{%
14914     \cap@margin
14915     \ifonelinecaptions
14916         \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
14917         \let\scr@tmp@footnotetext=\@footnotetext
14918         \let\@footnotetext=\@gobble
14919         \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
14920         \let\@LTRfootnotetext=\@gobble
14921         \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
14922         \let\@RTLfootnotetext=\@gobble
14923         \sbox\@tempboxa{%
14924             {\capfont{\strut\ignorespaces
14925                 #1{\caplabelfont{#2\captionformat}}}%
14926                 #3\unskip\strut}}%
14927     }%
14928     \let\@footnotetext=\scr@tmp@footnotetext
14929     \let\scr@tmp@footnotetext=\undefined

```



```

14930 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
14931 \let\scr@tmp@LTRfootnotetext=\undefined
14932 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
14933 \let\scr@tmp@RTLfootnotetext=\undefined
14934 \setcounter{footnote}{\@tempcntb}%
14935 \setcounter{mpfootnote}{\@tempcnta}%
14936 \else
14937 \sbox\@tempboxa{\hspace*{2\cap@width}}%
14938 \fi
14939 \begingroup%
14940 \setlength{\@tempdima}{\cap@width}%
14941 \ifdim \wd\@tempboxa >\@tempdima
14942 \hb@xt@\hsize{%
14943 \setbox\@tempboxa\vbox{\hsize=\cap@width
14944 \ifdofullc@p
14945 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
14946 #1{\caplabelfont{#2\captionformat}}}}}%
14947 {\#3\unskip\strut\par}}}%
14948 \else%
14949 \ifdim\cap@indent<\z@
14950 {\capfont{\strut\ignorespaces
14951 #1{\caplabelfont{#2\captionformat\par}}}%
14952 \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}%
14953 \else%
14954 \if@capbreak
14955 {\capfont{\strut\ignorespaces
14956 #1{\caplabelfont{#2\captionformat\par}}}%
14957 \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
14958 \else
14959 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
14960 {\hspace*{-\cap@indent}\scr@smashdp{\ignorespaces#1%
14961 {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
14962 \fi
14963 \fi
14964 \fi
14965 }%
14966 \setlength{\@tempdima}{\ht\@tempboxa}%
14967 \addtolength{\@tempdima}{\dp\@tempboxa}%
14968 \addtolength{\@tempdima}{-\ht\strutbox}%
14969 \ht\@tempboxa\ht\strutbox
14970 \dp\@tempboxa\@tempdima
14971 \strut\cap@left
14972 \box\@tempboxa
14973 \cap@right\strut
14974 }%
14975 \else
14976 \global \@minipagefalse
14977 \sbox\@tempboxa{%
14978 {\capfont{\scr@smashdp{\strut\ignorespaces
14979 #1{\caplabelfont{#2\captionformat}}}}}%

```



```

14980         #3}}%
14981     }%
14982     {\capfont{\hb@xt@{hsize}{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
14983     \fi
14984 \endgroup
14985 }
14986 \renewcommand{\@makecaption}[2]{%
14987 \if@captionabove
14988 \vskip\belowcaptionskip
14989 \else
14990 \vskip\abovecaptionskip
14991 \fi
14992 \@makecaption\@firstofone{#1}{#2}%
14993 \if@captionabove
14994 \vskip\abovecaptionskip
14995 \else
14996 \vskip\belowcaptionskip
14997 \fi
14998 }

```

### 7.100 sidecap-xetex-bidi.def

```

14999 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for X
15000 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
15001 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {{#2}\hspace{\sidecaptionsep}{#1}}\else%
15002 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {{#1}\hspace{\sidecaptionsep}{#2}}\fi}
15003 \renewcommand*{\SC@justify@caption}{\if@RTL%
15004 \isSC@ODD{\RaggedLeft}{\RaggedRight}\else%
15005 \isSC@ODD{\RaggedRight}{\RaggedLeft}\fi}

```

### 7.101 stabular-xetex-bidi.def

```

15006 \ProvidesFile{stabular-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for stabular package for
15007 \def\@stabular{\if@RTL\@RTLtabtrue\fi
15008 \leavevmode \bgroup \if@RTLtab\beginR \fi
15009 \let\@acol\@tabacol
15010 \let\@classz\@tabclassz
15011 \let\@classiv\@tabclassiv \let\\\@tabularcrr\@stabarray}
15012 \def\endstabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
15013 \egroup \if@RTLtab\endR\fi\egroup
15014 \@RTLtabfalse}
15015 \expandafter \let \csname endstabular*\endcsname = \endstabular
15016 \def\@sarray[#1]#2{%
15017 \bgroup
15018 \setbox\@arstrutbox\hbox{%
15019 \vrule \@height\arraystretch\ht\strutbox
15020 \@depth\arraystretch \dp\strutbox
15021 \@width\z@}%
15022 \@mkpream{#2}%
15023 \edef\@preamble{%
15024 \ialign \noexpand\@halignto

```



```

15025 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
15026 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
15027 \let\tabularnewline\%
15028 \let\@sharp##%
15029 \set@typeset@protect
15030 \lineskip\z@skip\baselineskip\z@skip
15031 \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
15032 \@preamble}

```

### 7.102 subfigure-xetex-bidi.def

```

15033 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package]
15034 \AtBeginDocument{%
15035 \let\p@subfigure=\thefigure
15036 \let\p@subtable=\thetable%
15037 }

```

### 7.103 tabs-xetex-bidi.def

```

15038 \ProvidesFile{tabs-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for tabs package for XeTeX]
15039 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
15040 \if@RTLtabfalse}
15041
15042 \expandafter\let\csname endtabular*\endcsname=\endtabular
15043
15044 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
15045 \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
15046 \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
15047
15048 \def\@array[#1]#2{% remember global variables to allow recursion:
15049 \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
15050 \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
15051 \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
15052 \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
15053 \else \let\@tarlinesep\tablinesep \fi
15054 \divide\@tarlinesep\tw@ % half sep is applied to height & depth
15055 \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
15056 \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
15057 \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
15058 \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@@size
15059 \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
15060 \fi \setbox\@arstrutbox\hbox{% set up smaller strut
15061 \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
15062 \let\protect\noexpand
15063 \edef\@preamble{\align \noexpand\@halignto \bgroup
15064 \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
15065 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
15066 \if#1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
15067 \bgroup \let\par\@empty
15068 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
15069 \advance\extrarulesep.5\arrayrulewidth

```



```

15070 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
15071 \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
15072 \@preamble}

```

## 7.104 tabularx-xetex-bidi.def

```

15073 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
15074 \def\TX@endtabularx{%
15075   \expandafter\expandafter\expandafter
15076     \TX@find@endtabularxa\csname end\TX@\endcsname
15077     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
15078   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}%
15079   \let\verb\TX@verb
15080   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
15081   \edef\TX@ckpt{\cl@ckpt}%
15082   \let\@elt\relax
15083   \TX@old@table\maxdimen
15084   \TX@col@width\TX@target
15085   \global\TX@cols@one
15086   \TX@typeout@
15087     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
15088   \TX@trial{\def\NC@rewrite@X{%
15089     \global\advance\TX@cols@one\NC@find p{\TX@col@width}}}%
15090   \loop
15091     \TX@arith
15092     \ifTX@
15093     \TX@trial{}%
15094   \repeat
15095   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
15096   \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
15097   \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
15098   \csname tabular*\expandafter\endcsname\expandafter\TX@target
15099     \the\toks@
15100   \csname endtabular*\endcsname}%
15101   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
15102   \ifnum0=^{\fi}%
15103   \expandafter\expandafter\expandafter
15104     \TX@find@endtabularxbb
15105     \expandafter\end\expandafter{\TX@}%
15106   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
15107 }
15108
15109 \def\TX@trial#1{%
15110   \setbox\@tempboxa\hbox{%
15111     #1\relax
15112   \let\@footnotetext\TX@trial@ftn
15113   \let\@LTRfootnotetext\TX@trial@ftn
15114   \let\@RTLfootnotetext\TX@trial@ftn
15115   \let\TX@vwarn\@empty
15116   \expandafter\let\expandafter\tabularx\csname tabular*\endcsname

```





```

15117 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
15118 \def\write{\begingroup
15119   \def\let{\afterassignment\endgroup\toks@}%
15120   \afterassignment\let\count@}%
15121   \hbadness\@M
15122   \hfuzz\maxdimen
15123   \let\hbadness\@tempcnta
15124   \let\hfuzz\@tempdima
15125   \expandafter\tabular\the\toks@
15126   \endtabular}%
15127 \TX@ckpt
15128 \TX@typeout@{\@spaces
15129   \expandafter\TX@align
15130   \the\wd\@tempboxa\space\space\space\space\space\@@
15131   \expandafter\TX@align
15132   \the\TX@col@width\space\space\space\space\space\@@
15133   \@spaces\the\TX@cols}}
15134
15135 \long\def\TX@LTRftntext#1{%
15136   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
15137     [\the\csname c@\@mpfn\endcsname]}}%
15138   \global\TX@ftn\expandafter{\@tempa{#1}}}%
15139 \long\def\TX@xLTRftntext[#1]#2{%
15140   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
15141
15142 \long\def\TX@RTLftntext#1{%
15143   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
15144     [\the\csname c@\@mpfn\endcsname]}}%
15145   \global\TX@ftn\expandafter{\@tempa{#1}}}%
15146 \long\def\TX@xRTLftntext[#1]#2{%
15147   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

## 7.105 tabulary-xetex-bidi.def

```

15148 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for
15149 \def\@testpach{\@chclass
15150   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
15151   \ifnum \@lastchclass=7 5 \else
15152   \ifnum \@lastchclass=8 \tw@ \else
15153   \ifnum \@lastchclass=9 \thr@@
15154   \else \@z@
15155   \ifnum \@lastchclass = 10 \else
15156   \edef\@nextchar{\expandafter\string\@nextchar}%
15157   \@chnum
15158   \if \@nextchar c\@z@ \else
15159   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
15160   \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
15161   \if \@nextchar C7 \else
15162   \if \@nextchar L8 \else
15163   \if \@nextchar R9 \else

```



```

15164     \if \@nextchar J10 \else
15165     \z@ \@chclass
15166     \if \@nextchar |\@ne \else
15167     \if \@nextchar !6 \else
15168     \if \@nextchar @7 \else
15169     \if \@nextchar <8 \else
15170     \if \@nextchar >9 \else
15171     10
15172     \@chnum
15173     \if \@nextchar m\thr@@\else
15174     \if \@nextchar p4 \else
15175     \if \@nextchar b5 \else
15176     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi
15177     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

## 7.106 tc-xetex-bidi.def

```

15178 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX]
15179 \def\@cliptoboxdim#1{%
15180     \setbox#1=\hbox{%
15181         \Gin@defaultbp\WIDTH{\wd#1}%
15182         \Gin@defaultbp\DEPTH{\dp#1}%
15183         \@tempdima\ht#1%
15184         \advance\@tempdima\dp#1%
15185         \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
15186         \beginL\special{pdf:bcontent }%
15187         \special{%
15188             pdf:literal direct
15189             0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
15190         }%
15191         \special{pdf:literal direct W }%
15192         \special{pdf:literal direct n }%
15193         \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
15194         \special{pdf:econtent }\endL%
15195     }%
15196 }

```

## 7.107 titlesec-xetex-bidi.def

```

15197 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for XeTeX]
15198 \renewcommand\filright{%
15199     \gdef\ttl@filleft##1{\hskip##1}%
15200     \gdef\ttl@filright##1{\hfill}%
15201     \let\\\@centercr
15202     \advance\rightskip\z@ \@plus 1fil
15203     \parfillskip\z@}
15204 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
15205     \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
15206     \setlength\leftskip{#6}%
15207     \setlength\rightskip{#7}%
15208     \interlinepenalty\@M

```



```

15209 \ttl@changecentercr
15210 \ttl@beginlongest
15211 #1{\ifhmode\ttl@hmode@error\fi
15212 \ttl@glcmds
15213 \parindent\z@
15214 \leavevmode
15215 \begingroup
15216 \ifttl@label
15217 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
15218 \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
15219 \llap{\box\z@}%
15220 \fi
15221 #4{#8}%
15222 \kern\z@\strut\@par
15223 \endgroup
15224 \nobreak\ttl@midlongest#5\@par}%
15225 \ttl@endlongest}

```

## 7.108 titletoc-xetex-bidi.def

```

15226 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
15227 \renewcommand\filright{%
15228 \gdef\ttl@filleft##1{\hskip##1}%
15229 \gdef\ttl@filright##1{\hfill}%
15230 \let\\\@centercr
15231 \advance\rightskip\z@ \@plus 1fil
15232 \parfillskip\z@}
15233 \renewcommand\contentspush[1]{%
15234 \sbox\z@{#1}%
15235 \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
15236 \aftergroup\ttl@b
15237 \leavevmode\llap{\box\z@}}
15238 \def\ttl@outnblock#1#2#3{%
15239 \begingroup
15240 \ifnum\ttl@b>\ttl@a
15241 \nobreak
15242 \else\ifnum\ttl@b<\ttl@a
15243 \addpenalty{\@secpenalty}%
15244 \else
15245 \addpenalty{\z@}%
15246 \fi\fi
15247 \ttl@contentsstretch
15248 \nobreak
15249 \ifcase#1\relax\else\interlinepenalty\@M\fi
15250 \parindent\z@
15251 \ifx\@nil#2%
15252 \PackageError{titletoc}{Unimplemented}%
15253 {The optional argument is currently mandatory}%
15254 \else
15255 \if@RTL\setlength\rightskip{#2}\else

```



```

15256 \setlength\leftskip{#2}\fi%
15257 \fi
15258 \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
15259 \let\contentsmargin\ttl@margin
15260 \def\ttl@makeline##1{##1}%
15261 #3%
15262 \addtolength{\parfillskip}{-\ttl@corr}%
15263 \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
15264 \let\ttl@leaders\leaders}
15265 \renewcommand\ttl@margin[2][\z@]{%
15266 \def\ttl@corr{#1}%
15267 \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax
15268 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
15269 \def\@pnumwidth{#2}}
15270 \let\ttl@savel@part\l@part
15271 \def\l@part{\ttl@lselect{part}}
15272
15273 \let\ttl@savel@chapter\l@chapter
15274 \def\l@chapter{\ttl@lselect{chapter}}

```

## 7.109 tocbibind-xetex-bidi.def

```

15275 \ProvidesFile{tocbibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocbibind package]
15276 \if@dotocbib
15277 \@ifpackageloaded{natbib}{\% natbib not loaded
15278 \renewcommand{\bibsection}{\t@cb@bchapsec}
15279 \renewenvironment{thebibliography}[1]{%
15280 \bibsection
15281 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
15282 \renewenvironment{thebibitemlist}[1]{
15283 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15284 \list{\@biblabel{\@arabic{c@enumiv}}}%
15285 {\settowidth\labelwidth{\@biblabel{#1}}%
15286 \leftmargin\labelwidth
15287 \advance\leftmargin\labelsep
15288 \@openbib@code
15289 \usecounter{enumiv}%
15290 \let\p@enumiv\@empty
15291 \renewcommand\theenumiv{\@arabic{c@enumiv}}%
15292 \sloppy
15293 \clubpenalty4000
15294 \@clubpenalty \clubpenalty
15295 \widowpenalty4000%
15296 \sfcode`\.\@m}
15297 {\def\@noitemerr
15298 {\@latex@warning{Empty `thebibliography' environment}}%
15299 \endlist}
15300
15301 \@ifpackagewith{chapterbib}{sectionbib}%
15302 {\renewcommand{\sectionbib}[2]{}}%

```



```

15303 {}
15304
15305 \fi
15306 \if@inltxdoc\else
15307 \renewenvironment{theindex}%
15308 {\if@twocolumn
15309 \@restonecolfalse
15310 \else
15311 \@restonecoltrue
15312 \fi
15313 \if@bibchapter
15314 \if@donumindex
15315 \refstepcounter{chapter}
15316 \twocolumn[\vspace*{2\topskip}%
15317 \@makechapterhead{\indexname}]]%
15318 \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
15319 \chaptermark{\indexname}
15320 \else
15321 \if@dotocind
15322 \twocolumn[\vspace*{2\topskip}%
15323 \@makeschapterhead{\indexname}]]%
15324 \prw@mkboth{\indexname}
15325 \addcontentsline{toc}{chapter}{\indexname}
15326 \else
15327 \twocolumn[\vspace*{2\topskip}%
15328 \@makeschapterhead{\indexname}]]%
15329 \prw@mkboth{\indexname}
15330 \fi
15331 \fi
15332 \else
15333 \if@donumindex
15334 \twocolumn[\vspace*{-1.5\topskip}%
15335 \@nameuse{\@tocextra}{\indexname}]]%
15336 \csname \@tocextra mark\endcsname{\indexname}
15337 \else
15338 \if@dotocind
15339 \twocolumn[\vspace*{-1.5\topskip}%
15340 \toc@headstar{\@tocextra}{\indexname}]]%
15341 \prw@mkboth{\indexname}
15342 \addcontentsline{toc}{\@tocextra}{\indexname}
15343 \else
15344 \twocolumn[\vspace*{-1.5\topskip}%
15345 \toc@headstar{\@tocextra}{\indexname}]]%
15346 \prw@mkboth{\indexname}
15347 \fi
15348 \fi
15349 \fi
15350 \thispagestyle{plain}\parindent\z@
15351 \parskip\z@ \@plus .3\p@\relax
15352 \let\item\@idxitem}

```



```

15353 {\if@restonecol\onecolumn\else\clearpage\fi}
15354 \fi

```

## 7.110 tocloft-xetex-bidi.def

```

15355 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for X
15356 \let\cftdot\@SepMark
15357 \if@cfthaspart
15358 \renewcommand*{\l@part}[2]{
15359   \@cftdopartfalse
15360   \ifnum \c@tocdepth >-2\relax
15361     \if@cfthaschapter
15362       \@cftdoparttrue
15363     \fi
15364     \ifnum \c@tocdepth >\m@ne
15365       \if@cfthaschapter\else
15366         \@cftdoparttrue
15367       \fi
15368     \fi
15369   \fi
15370   \if@cftdopart
15371     \if@cfthaschapter
15372       \addpenalty{-\@highpenalty}
15373     \else
15374       \addpenalty\@secpenalty
15375     \fi
15376     \addvspace{\cftbeforepartskip}
15377     \begingroup
15378     {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
15379     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
15380     \parfillskip -\if@RTL\leftskip\else\righskip\fi
15381     \parindent \cftpartindent\relax\@afterindenttrue
15382     \interlinepenalty\@M
15383     \leavevmode
15384     \@tempdima \cftpartnumwidth\relax
15385     \let\@cftbsnum \cftpartpresnum
15386     \let\@cftasnum \cftpartaftersnum
15387     \let\@cftasnumb \cftpartaftersnumb
15388     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
15389     {\cftpartfont \cftpartpresnum #1}
15390     \cftpartfillnum{#2}}
15391     \nobreak
15392     \if@cfthaschapter
15393       \global\@nobreaktrue
15394       \everypar{\global\@nobreakfalse\everypar{}}
15395     \else
15396       \if@compatibility
15397         \global\@nobreaktrue
15398         \everypar{\global\@nobreakfalse\everypar{}}
15399       \fi

```



```

15400     \fi
15401     \endgroup
15402   \fi}
15403 \fi
15404 \if@cfthaschapter
15405 \renewcommand*{\l@chapter}[2]{
15406   \ifnum \c@tocdepth >\m@ne
15407     \addpenalty{-\@highpenalty}
15408     \vskip \cftbeforechapskip
15409     {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
15410     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15411     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15412     \parindent \cftchapindent\relax\@afterindenttrue
15413     \interlinepenalty\@M
15414     \leavevmode
15415     \@tempdima \cftchapnumwidth\relax
15416     \let\@cftbsnum \cftchappresnum
15417     \let\@cftasnum \cftchapaftersnum
15418     \let\@cftasnumb \cftchapaftersnumb
15419     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
15420     {\cftchapfont #1}\nobreak
15421     \cftchapfillnum{#2}}
15422   \fi}
15423 \fi
15424 \renewcommand*{\l@section}[2]{%
15425   \ifnum \c@tocdepth >\z@
15426     \if@cfthaschapter
15427       \vskip \cftbeforesecskip
15428     \else
15429       \addpenalty\@secpenalty
15430       \addvspace{\cftbeforesecskip}
15431     \fi
15432     {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
15433     \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15434     \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15435     \parindent \cftsecindent\relax\@afterindenttrue
15436     \interlinepenalty\@M
15437     \leavevmode
15438     \@tempdima \cftsecnumwidth\relax
15439     \let\@cftbsnum \cftsecpresnum
15440     \let\@cftasnum \cftsecaftersnum
15441     \let\@cftasnumb \cftsecaftersnumb
15442     \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
15443     {\cftsecfont #1}\nobreak
15444     \cftsecfillnum{#2}}
15445   \fi}
15446 \renewcommand*{\l@subsection}[2]{%
15447   \ifnum \c@tocdepth >\@ne
15448     \vskip \cftbeforesubsecskip
15449     {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax

```



```

15450 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15451 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15452 \parindent \cftsubsecindent\relax\@afterindenttrue
15453 \interlinepenalty\@M
15454 \leavevmode
15455 \@tempdima \cftsubsecnumwidth\relax
15456 \let\@cftbsnum \cftsubsecpresnum
15457 \let\@cftasnum \cftsubsecaftersnum
15458 \let\@cftasnumb \cftsubsecaftersnumb
15459 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
15460 {\cftsubsecfont #1}\nobreak
15461 \cftsubsecfillnum{#2}}
15462 \fi}
15463 \renewcommand*{\l@subsubsection}[2]{%
15464 \ifnum \c@tocdepth >\tw@
15465 \vskip \cftbeforesubsubsecskip
15466 {\if@RTL\rightskip\else\leftskip\fi \cftsubsubsecindent\relax
15467 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15468 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15469 \parindent \cftsubsubsecindent\relax\@afterindenttrue
15470 \interlinepenalty\@M
15471 \leavevmode
15472 \@tempdima \cftsubsubsecnumwidth\relax
15473 \let\@cftbsnum \cftsubsubsecpresnum
15474 \let\@cftasnum \cftsubsubsecaftersnum
15475 \let\@cftasnumb \cftsubsubsecaftersnumb
15476 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
15477 {\cftsubsubsecfont #1}\nobreak
15478 \cftsubsubsecfillnum{#2}}
15479 \fi}
15480 \renewcommand*{\l@paragraph}[2]{%
15481 \ifnum \c@tocdepth >3\relax
15482 \vskip \cftbeforeparaskip
15483 {\if@RTL\rightskip\else\leftskip\fi \cftparaindent\relax
15484 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15485 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15486 \parindent \cftparaindent\relax\@afterindenttrue
15487 \interlinepenalty\@M
15488 \leavevmode
15489 \@tempdima \cftparanumwidth\relax
15490 \let\@cftbsnum \cftparapresnum
15491 \let\@cftasnum \cftparaaftersnum
15492 \let\@cftasnumb \cftparaaftersnumb
15493 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
15494 {\cftparafont #1}\nobreak
15495 \cftparafillnum{#2}}
15496 \fi}
15497 \renewcommand*{\l@subparagraph}[2]{%
15498 \ifnum \c@tocdepth >4\relax
15499 \vskip \cftbeforesubparaskip

```





```

15500 {\if@RTL\rightrightskip\else\leftskip\fi \cftsubparaindent\relax
15501 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15502 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15503 \parindent \cftsubparaindent\relax\@afterindenttrue
15504 \interlinepenalty\@M
15505 \leavevmode
15506 \@tempdima \cftsubparanumwidth\relax
15507 \let\@cftbsnum \cftsubparapresnum
15508 \let\@cftasnum \cftsubparaaftersnum
15509 \let\@cftasnumb \cftsubparaaftersnumb
15510 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
15511 {\cftsubparafont #1}\nobreak
15512 \cftsubparafillnum{#2}}
15513 \fi}
15514 \renewcommand*{\l@figure}[2]{%
15515 \ifnum \c@l@ofdepth >\z@
15516 \vskip \cftbeforefigskip
15517 {\if@RTL\rightrightskip\else\leftskip\fi \cftfigindent\relax
15518 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15519 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15520 \parindent \cftfigindent\relax\@afterindenttrue
15521 \interlinepenalty\@M
15522 \leavevmode
15523 \@tempdima \cftfignumwidth\relax
15524 \let\@cftbsnum \cftfigpresnum
15525 \let\@cftasnum \cftfigaftersnum
15526 \let\@cftasnumb \cftfigaftersnumb
15527 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
15528 {\cftfigfont #1}\nobreak
15529 \cftfigfillnum{#2}}
15530 \fi
15531 }
15532 \renewcommand*{\l@table}[2]{%
15533 \ifnum\c@l@otdepth >\z@
15534 \vskip \cftbeforetabskip
15535 {\if@RTL\rightrightskip\else\leftskip\fi \cfttabindent\relax
15536 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15537 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15538 \parindent \cfttabindent\relax\@afterindenttrue
15539 \interlinepenalty\@M
15540 \leavevmode
15541 \@tempdima \cfttabnumwidth\relax
15542 \let\@cftbsnum \cfttabpresnum
15543 \let\@cftasnum \cfttabaftersnum
15544 \let\@cftasnumb \cfttabaftersnumb
15545 \advance\if@RTL\rightrightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightrightskip
15546 {\cfttabfont #1}\nobreak
15547 \cfttabfillnum{#2}}
15548 \fi
15549 }

```



```

15550 \renewcommand{\@cftl@subfig}{
15551 \renewcommand*{\l@subfigure}[2]{%
15552   \ifnum \c@l@ofdepth > \toclevel@subfigure
15553     \vskip \cftbeforesubfigskip
15554     {\if@RTL\rightskip\else\leftskip\fi \cftsubfigindent\relax
15555      \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15556      \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15557      \parindent \cftsubfigindent\relax\@afterindenttrue
15558      \interlinepenalty\@M
15559      \leavevmode
15560      \@tempdima \cftsubfignumwidth\relax
15561      \let\@cftbsnum \cftsubfigpresnum
15562      \let\@cftasnum \cftsubfigaftersnum
15563      \let\@cftasnumb \cftsubfigaftersnumb
15564      \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
15565      {\cftsubfigfont ##1}\nobreak
15566      \cftsubfigfillnum{##2}}
15567   \fi
15568 }
15569 }
15570 \renewcommand{\@cftl@subtab}{
15571 \renewcommand*{\l@subtable}[2]{%
15572   \ifnum \c@l@otdepth > \toclevel@subtable
15573     \vskip \cftbeforesubtabskip
15574     {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
15575      \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15576      \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15577      \parindent \cftsubtabindent\relax\@afterindenttrue
15578      \interlinepenalty\@M
15579      \leavevmode
15580      \@tempdima \cftsubtabnumwidth\relax
15581      \let\@cftbsnum \cftsubtabpresnum
15582      \let\@cftasnum \cftsubtabaftersnum
15583      \let\@cftasnumb \cftsubtabaftersnumb
15584      \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightski
15585      {\cftsubtabfont ##1}\nobreak
15586      \cftsubtabfillnum{##2}}
15587   \fi
15588 }
15589 }
15590 \renewcommand{\newlistentry}[4][\@empty]{%
15591   \@ifundefined{c@#2}{%      check & set the counter
15592     \ifx \@empty#1\relax
15593       \newcounter{#2}
15594     \else
15595       \@ifundefined{c@#1}{\PackageWarning{tocloft}%
15596         {#1 has no counter for use as a `within'}}
15597       \newcounter{#2}}%
15598   {\newcounter{#2}[#1]%
15599     \expandafter\edef\csname the#2\endcsname{%

```



```

15600     \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}
15601     \fi
15602     \setcounter{#2}{0}
15603 }
15604 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
15605
15606 \@namedef{l@#2}##1##2{%
15607     \ifnum \@nameuse{c@#3depth} > #4\relax
15608     \vskip \@nameuse{cftbefore#2skip}
15609     {\if@RTL\righskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
15610     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
15611     \parfillskip -\if@RTL\leftskip\else\righskip\fi
15612     \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
15613     \interlinepenalty\@M
15614     \leavevmode
15615     \@tempdima \@nameuse{cft#2numwidth}\relax
15616     \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
15617     \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
15618     \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
15619     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
15620     {\@nameuse{cft#2font}##1}\nobreak
15621     \@nameuse{cft#2fillnum}{##2}}
15622     \fi
15623 } % end of l@#2
15624
15625 \expandafter\newlength\csname cftbefore#2skip\endcsname
15626 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
15627 \expandafter\newlength\csname cft#2indent\endcsname
15628 \expandafter\newlength\csname cft#2numwidth\endcsname
15629 \ifcase #4\relax % 0
15630     \setlength{\@nameuse{cft#2indent}}{0em}
15631     \setlength{\@nameuse{cft#2numwidth}}{1.5em}
15632 \or % 1
15633     \setlength{\@nameuse{cft#2indent}}{1.5em}
15634     \setlength{\@nameuse{cft#2numwidth}}{2.3em}
15635 \or % 2
15636     \setlength{\@nameuse{cft#2indent}}{3.8em}
15637     \setlength{\@nameuse{cft#2numwidth}}{3.2em}
15638 \or % 3
15639     \setlength{\@nameuse{cft#2indent}}{7.0em}
15640     \setlength{\@nameuse{cft#2numwidth}}{4.1em}
15641 \else % anything else
15642     \setlength{\@nameuse{cft#2indent}}{10.0em}
15643     \setlength{\@nameuse{cft#2numwidth}}{5.0em}
15644 \fi
15645 \@namedef{cft#2font}{\normalfont}
15646 \@namedef{cft#2presnum}{}
15647 \@namedef{cft#2aftersnum}{}
15648 \@namedef{cft#2aftersnumb}{}
15649 \@namedef{cft#2dotsep}{\cftdotsep}

```



```

15650 \namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
15651 \namedef{cft#2pagefont}{\normalfont}
15652 \namedef{cft#2afterpnum}{\}
15653 \namedef{toclevel@#2}{#4}
15654 \namedef{cft#2fillnum}##1{%
15655   {\@nameuse{cft#2leader}}\nobreak
15656   \hb@xt@{\pnumwidth{\hfil\@nameuse{cft#2pagefont}}##1}\@nameuse{cft#2afterpnum}\par}
15657 } % end \newlistentry
15658 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
15659   {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
15660   \advance\if@RTL\righskip\else\leftskip\fi \cftchapnumwidth\relax
15661   \if@RTL\leftskip\else\righskip\fi \@tocrmarg\relax
15662   \textit{#1}\protect\par}}}}

```

## 7.111 tocstyle-xetex-bidi.def

```

15663 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for
15664 \renewcommand*{\tocstyle@dottedtocline}[5]{%
15665   \let\numberline\tocstyle@numberline
15666   \ifnum #1>\c@tocdepth \else
15667     \if@tocstyle@penalties
15668       \begingroup
15669       \@tempcnta 20010
15670       \advance \@tempcnta by -#1
15671       \ifnum \@tempcnta>\lastpenalty
15672         \aftergroup\penalty\aftergroup\@lowpenalty
15673       \fi
15674     \endgroup
15675   \fi
15676   \edef\tocstyle@depth{#1}%
15677   \tocstyle@activate@features
15678   \ifx\tocstyle@feature@entryvskip\relax
15679     \vskip \z@ \@plus.2\p@
15680   \else
15681     \addvspace{\tocstyle@feature@entryvskip}%
15682   \fi
15683   {%
15684     \parskip \z@ \parindent \z@ \if@RTL\righskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\righskip\fi
15685     \tocstyle@feature@raggedhook
15686     \@tempdima #3\relax
15687     \@tempdimb #2\relax
15688     \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
15689     \ifnum #1>\z@\relax
15690       \@tempcnta #1\relax \advance\@tempcnta \m@ne
15691       \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
15692         \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
15693           \@tempdimb
15694           \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
15695           \advance\@tempdimb
15696           \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname

```



```

15697         \fi
15698     \fi
15699 \fi
15700 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
15701 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
15702     \ifdim \@tempdimb>
15703         \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
15704         \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
15705             @#1\endcsname{\the\@tempdimb}%
15706     \fi
15707 \else
15708     \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
15709         @#1\endcsname{\the\@tempdimb}%
15710 \fi
15711 \iftocstyle@autolength
15712     \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
15713     \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
15714     \relax
15715     \fi
15716     \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
15717     \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
15718     \relax
15719     \fi
15720     \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
15721     \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
15722 \else
15723     \@tempdimb #2\relax
15724     \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
15725 \fi
15726 \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
15727     \ifdim \@tempdima>
15728         \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
15729         \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
15730             @\endcsname{\the\@tempdima}%
15731     \fi
15732 \else
15733     \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
15734         @\endcsname{\the\@tempdima}%
15735 \fi
15736 \ifcase\tocstyle@indentstyle\relax\else
15737     \@tempdimb \z@
15738     \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
15739     \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
15740     \relax
15741     \fi
15742     \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
15743     \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
15744 \fi
15745 \advance\parindent \@tempdimb\@afterindenttrue
15746 \advance\if@RTL\rightskip\else\leftskip\fi \parindent

```



```

15747 \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15748 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15749 \ifx\tocstyle@feature@parfillskip\relax\else
15750 \advance\parfillskip \tocstyle@feature@parfillskip\relax
15751 \fi
15752 \interlinepenalty\@M
15753 \leavevmode
15754 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15755 \null\nobreak
15756 \iftocstyle@indentnotnumbered\else
15757 \hskip -\if@RTL\rightskip\else\leftskip\fi
15758 \fi
15759 \tocstyle@feature@entryhook
15760 {#4}\nobreak
15761 \ifx\tocstyle@feature@leaders\relax
15762 \leaders\hbox{$\m@th
15763 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
15764 \mkern \@dotsep mu$}\hfill
15765 \else
15766 \tocstyle@feature@leaders
15767 \fi
15768 \nobreak
15769 \ifx\tocstyle@feature@pagenumberbox\relax
15770 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
15771 \else
15772 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
15773 \fi
15774 \par
15775 }%
15776 \if@tocstyle@penalties
15777 \bgroup
15778 \@tempcnta 20009
15779 \advance\@tempcnta by -#1
15780 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
15781 \reserved@a
15782 \fi
15783 \fi}
15784 \renewcommand*{\tocstyle@numberline}[1]{%
15785 \beginngroup
15786 \ifx\tocstyle@feature@spaceafternumber\relax
15787 \settowidth\@tempdima{\tocstyle@numberline{#1}\enskip}%
15788 \else
15789 \settowidth\@tempdima{\tocstyle@numberline{#1}}%
15790 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
15791 \fi
15792 \ifcsname tocstyle@numwidth@\tocstyleTOC \@tocstyledepth\endcsname
15793 \ifdim \@tempdima >
15794 \csname tocstyle@numwidth@\tocstyleTOC \@tocstyledepth\endcsname\relax
15795 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
15796 \@tocstyledepth\endcsname{\the\@tempdima}%

```



```

15797     \fi
15798   \else
15799     \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
15800       @\tocstyledepth\endcsname{\the\@tempdima}%
15801   \fi
15802 \endgroup
15803 \iftocstyle@indentnotnumbered
15804   \hskip -\if@RTL\rightskip\else\leftskip\fi
15805 \fi
15806 \ifcase \tocstyle@indentstyle
15807   \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
15808 \or
15809   \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
15810 \else
15811   \ifx\tocstyle@feature@spaceafternumber\relax
15812     \hbox{\tocstyle@@numberline{#1}\enskip}%
15813   \else
15814     \hbox{\tocstyle@@numberline{#1}\hskip
15815       \tocstyle@feature@spaceafternumber\relax}%
15816   \fi
15817 \fi
15818 }
15819 \AtBeginDocument{%
15820   \ifcsname l@part\endcsname
15821     \ifcsname l@chapter\endcsname
15822       \setbox\@tempboxa\vbox{\hsize\maxdimen
15823         \l@part{\tocstyle@l@define{part}{-1}}{}}%
15824     \else
15825       \setbox\@tempboxa\vbox{\hsize\maxdimen
15826         \l@part{\tocstyle@l@define{part}{0}}{}}%
15827     \fi
15828   \fi
15829   \ifcsname l@chapter\endcsname
15830     \setbox\@tempboxa\vbox{\hsize\maxdimen
15831       \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
15832   \fi
15833   \ifcsname l@section\endcsname
15834     \setbox\@tempboxa\vbox{\hsize\maxdimen
15835       \l@section{\tocstyle@l@define{section}{1}}{}}%
15836   \fi
15837   \ifcsname l@subsection\endcsname
15838     \setbox\@tempboxa\vbox{\hsize\maxdimen
15839       \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
15840   \fi
15841   \ifcsname l@subsubsection\endcsname
15842     \setbox\@tempboxa\vbox{\hsize\maxdimen
15843       \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
15844   \fi
15845   \ifcsname l@paragraph\endcsname
15846     \setbox\@tempboxa\vbox{\hsize\maxdimen

```



```

15847 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
15848 \fi
15849 \ifcsname l@subparagraph\endcsname
15850 \setbox\@tempboxa\vbox{\hsize\maxdimen
15851 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
15852 \fi
15853 \ifcsname l@table\endcsname
15854 \setbox\@tempboxa\vbox{\hsize\maxdimen
15855 \l@table{\tocstyle@l@define{table}{1}}{}}%
15856 \fi
15857 \ifcsname l@figure\endcsname
15858 \setbox\@tempboxa\vbox{\hsize\maxdimen
15859 \l@figure{\tocstyle@l@define{figure}{1}}{}}%
15860 \fi
15861 \def\@tempa#1#2#3#4#5{%
15862 \ifnum #1>\c@tocdepth \else
15863 \vskip \z@ \@plus.2\p@
15864 {\ifRTL\rightskip\else\leftskip\fi #2\relax \ifRTL\leftskip\else\rightskip\fi \@tocrmarg
15865 \parindent #2\relax\@afterindenttrue
15866 \interlinepenalty\@M
15867 \leavevmode
15868 \@tempdima #3\relax
15869 \advance\ifRTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\ifRTL\rightsk
15870 {#4}\nobreak
15871 \leaders\hbox{$\m@th
15872 \mkern \dotsep mu\hbox{.}\mkern \dotsep
15873 mu$}\hfill
15874 \nobreak
15875 \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
15876 \par}%
15877 \fi}%
15878 \ifx\@dottedtocline\@tempa\else
15879 \tocstyle@macrochangewarning\@dottedtocline
15880 \fi
15881 \let\tocstyle@saved@dottedtocline\@dottedtocline
15882 \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
15883 \ifx\numberline\@tempa\else
15884 \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
15885 \ifx\numberline\@tempa\else
15886 \tocstyle@macrochangewarning\numberline
15887 \fi
15888 \fi
15889 \let\tocstyle@saved@numberline\numberline
15890 }
15891 \renewcommand*{\tocstyle@l@define}[2]{%
15892 \advance\ifRTL\rightskip\else\leftskip\fi-\@tempdima
15893 \edef\@tempa{%
15894 \noexpand\global\noexpand\let
15895 \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
15896 \expandafter\noexpand\csname l@#1\endcsname

```





```

15897 \noexpand\gdef
15898 \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
15899 \noexpand\@dottedtocline{#2}{\the\ifRTL\rightskip\else\leftskip\fi}{\the\@tempdima}}%
15900 \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l{%
15901 \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
15902 \expandafter\noexpand\csname tocstyle@l@#1\endcsname
15903 }%
15904 }%
15905 \PackageInfo{tocstyle}{prepare \expandafter\string
15906 \csname l@#1\endcsname\space for redefinition}%
15907 \@tempa
15908 }

```

## 7.112 wrapfig-xetex-bidi.def

```

15909 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for X
15910 \let\WF@everypar\bidi@n@everypar
15911 \def\WF@putfigmaybe{%
15912 \ifinner
15913 \vskip-\parskip \global\WF@floatfalse
15914 \let\pagetotal\maxdimen % kludge flag for "not top of page"
15915 \else % outer page
15916 \@tempdima\pagedepth % save page depth
15917 {\advance\parskip\@tempdima\ifRTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up
15918 \penalty\interlinepenalty % update pg. parameters
15919 \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
15920 \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
15921 \global\WF@floatfalse
15922 \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
15923 \else
15924 \ifdim\WF@size>\@tempdimb
15925 \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
15926 \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
15927 \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
15928 \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
15929 \advance\dimen@.5\baselineskip
15930 \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
15931 \global\WF@floatfalse \pagebreak
15932 \fi
15933 \else % \WF@info{Fits in \the\@tempdimb;}%
15934 \global\WF@floatfalse
15935 \fi\fi
15936 \vskip\@tempdima\relax % (return erased page depth)
15937 \fi
15938 \noindent
15939 \ifWF@float
15940 \WF@fltmes
15941 \else % putting here;
15942 \WF@info{Put \WF@wfname here;}%
15943 {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement

```



```

15944 \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
15945 \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
15946 \hbox to\z@{% llap or rlap depending on {l} or {r}; calc effective width
15947 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
15948 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
15949 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
15950 \xdef\WF@adjlw{\the\@tempdima}%
15951 \ifnum `l=\WF@place % fig on left
15952 \if@RTL%
15953 \kern\@tempdimb \kern\columnsep
15954 \def\@tempa{\hss}% position to left of the gap
15955 \else%
15956 \hss % figure overlaps space to the left
15957 \def\@tempa{\kern\columnsep}% position to left of the gap
15958 \fi%
15959 \else % fig on right
15960 \if@RTL%
15961 \hss
15962 \@tempdima\z@
15963 \def\@tempa{\kern\columnsep}
15964 \else%
15965 \@tempdima\z@ % no left indentation
15966 \kern\@tempdimb \kern\columnsep
15967 \def\@tempa{\hss}% figure overlaps space to the right
15968 \fi%
15969 \fi
15970 \ifdim\@tempdimb<\hsize
15971 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
15972 \xdef\WF@adjtlm{\the\@tempdima}%
15973 \else
15974 \xdef\WF@wrapil{\z@ \the\hsize}%
15975 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
15976 \fi
15977 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
15978 \global\advance\WF@size-\intextsep
15979 \else % \WF@info{Putting \WF@wfname in middle of page}%
15980 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
15981 \fi \dp\WF@box\z@ \box\WF@box \@tempa
15982 }% end \hbox to Opt
15983 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
15984 \fi}

```

### 7.113 xcolor-xetex-bidi.def

```

15985 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT
15986 \long\def\color@b@x#1#2#3%
15987 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
15988 \setbox\z@\hbox{\kern\fbboxsep\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
15989 \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
15990 \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@

```



```

15991 {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmode\else\if@RTL\endL\fi\fi}
15992 \def\normalcolor{\let\current@color\default@color\ifmode\if@RTL\beginL\aftergroup\endR\fi\fi}
15993 \DeclareRobustCommand\color
15994 {\ifmode\if@RTL\beginL\aftergroup\endR\fi\fi\ifnextchar[\@undeclaredcolor\@declaredcolor}
15995 \def\@undeclaredcolor[#1]#2%
15996 {\begingroup
15997 \let\@cls\@empty
15998 \XC@getmodclr12{#1}{#2}{}%
15999 {\ifblendcolors
16000 \ifx\colorblend\@empty\else
16001 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
16002 \XC@coremodel\@mod\@clr\@xcolor@{}}\@mod\@clr
16003 \fi
16004 \fi
16005 \ifconvertcolorsU
16006 \edef\@tmp{\XC@tgt@mod{\@mod}}%
16007 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
16008 \fi
16009 \ifmaskcolors
16010 \convertcolorspec\@mod\@clr\XC@mmod\@clr
16011 \let\@mod\XC@mmod
16012 \XC@inflate\@mod\XC@mclr\@clr\@tmp
16013 \expandafter\XC@mul\@tmp,\@clr
16014 \fi
16015 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
16016 \expandafter\endgroup\@tmp}}
16017 \def\@declaredcolor#1%
16018 {\XC@edef\XC@tmp{#1}\XC@tstfalse
16019 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
16020 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
16021 \ifconvertcolorsU\XC@tsttrue\fi
16022 \fi
16023 \ifXC@tst
16024 \expandafter\XC@declaredcolor\else
16025 \expandafter\XC@declaredcolor\fi}
16026 \def\XC@undeclaredcolor#1#2%
16027 {\@ifundefinedmodel{#1}%
16028 {\c@lor@error{model `#1'}}%
16029 {\@nameuse{color#1}\current@color{#2}%
16030 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
16031 \XC@display}\ifmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
16032 \def\XC@declaredcolor
16033 {\XC@let@Nc\XC@current@color{\string\color@\XC@tmp}%
16034 \edef\current@color{\XC@current@color}%
16035 \XC@display\ifmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
16036 \DeclareRobustCommand\bidicolor
16037 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
16038 \def\@bidiundeclaredcolor[#1]#2%
16039 {\begingroup
16040 \let\@cls\@empty

```



```

16041 \XC@getmodclr12{#1}{#2}{}%
16042 {\ifblendcolors
16043   \ifx\colorblend\empty\else
16044     \edef\@mix{\expandafter\gobble\colorblend}\@tempswafalse
16045     \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
16046   \fi
16047 \fi
16048 \ifconvertcolorsU
16049   \edef\@tmp{\XC@tgt@mod{\@mod}}%
16050   \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
16051 \fi
16052 \ifmaskcolors
16053   \convertcolorspec\@mod\@clr\XC@mmod\@clr
16054   \let\@mod\XC@mmod
16055   \XC@inflate\@mod\XC@mclr\@clr\@tmp
16056   \expandafter\XC@mul\@tmp,\@clr
16057 \fi
16058 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
16059 \expandafter\endgroup\@tmp}}
16060 \def\XC@bidiundeclaredcolor#1#2%
16061 {\@ifundefinedmodel{#1}%
16062   {\color@error{model `#1'}}%
16063   {\@nameuse{color#1}\current@color{#2}}%
16064   \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
16065   \XC@display}}
16066 \def\@bidideclaredcolor#1%
16067 {\XC@edef\XC@tmp{#1}\XC@tstfalse
16068 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
16069   \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
16070   \ifconvertcolorsU\XC@tsttrue\fi
16071 \fi
16072 \if\XC@tst
16073   \expandafter\XC@bidideclaredcolor\else
16074   \expandafter\XC@bidideclaredcolor\fi}
16075 \def\XC@bidideclaredcolor
16076 {\XC@split\XC@tmp
16077 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
16078 \expandafter\endgroup\@tmp}
16079 \def\XC@bidideclaredcolor
16080 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
16081 \edef\current@color{\XC@current@color}%
16082 \XC@display}
16083 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
16084 \def\color@fbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
16085 \def\color@fb@x#1#2#3#4%
16086 {\color@b@x{\fboxsep\z@\bidicolor#1{#2}\XC@fbox}%
16087 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
16088 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\setcolor\ifhmode

```



## 7.114 latex-xetex-bidi.def

```

16089 \ProvidesFile{latex-xetex-bidi.def}[2014/11/08 v1.1.6 bidi adaptations for `latex.ltx' for XeTeX]
16090 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }
16091 \newcommand{\TeXXeTOff}{\TeXXeTstate=0 }
16092 \TeXXeTOn
16093 \def\ bidi@RTL@everypar{\if@RTL{\setbox\z@\lastbox\beginR\ifvoid\z@\else\usebox\z@\fi}\fi}
16094 \let\ bidi@o@everypar=\everypar
16095 \newtoks\ bidi@n@everypar
16096 \ bidi@n@everypar\expandafter{\the\ bidi@o@everypar}
16097 \ bidi@o@everypar{\ bidi@RTL@everypar\the\ bidi@n@everypar}
16098 \let\ everypar=\ bidi@n@everypar
16099 \def\ moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
16100 \def\ moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
16101 \protected\def\ hboxR{\hbox\bgroup
16102 \everyhbox{%
16103 \aftergroup\egroup
16104 \everyhbox{}}%
16105 \beginR
16106 \bgroup
16107 \aftergroup\endR
16108 \aftergroup\egroup
16109 }\hbox}
16110 \protected\def\ hboxL{\hbox\bgroup
16111 \everyhbox{%
16112 \aftergroup\egroup
16113 \everyhbox{}}%
16114 \beginL
16115 \bgroup
16116 \aftergroup\endL
16117 \aftergroup\egroup
16118 }\hbox}
16119 \protected\def\ vboxR{\vbox\bgroup
16120 \everyvbox{%
16121 \aftergroup\egroup
16122 \everyvbox{}}%
16123 \@RTLtrue
16124 \bgroup
16125 \aftergroup\egroup
16126 }\vbox}
16127 \protected\def\ vboxL{\vbox\bgroup
16128 \everyvbox{%
16129 \aftergroup\egroup
16130 \everyvbox{}}%
16131 \@RTLfalse
16132 \bgroup
16133 \aftergroup\egroup
16134 }\vbox}
16135 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\if@bidi@list@minipage@parbox\beginL\else\if@RTLtab
16136 \def\endLTR{\par}

```



```

16137 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
16138 \def\endRTL{\par}
16139 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
16140 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\if@bidi@list@minipage@parbox\beginL\else\if@RTLtab\
16141 \let\unsetRTL=\setLTR
16142 \let\unsetLTR=\setRTL
16143 \let\LR=\LRE
16144 \let\RL=\RLE
16145 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
16146 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
16147 \let\@ensure@RL=\@ensure@RTL
16148 \let\@ensure@LR=\@ensure@LTR
16149 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
16150 \let\@ensure@maindir=\@ensure@dir
16151 \def\@RTL{RTL}
16152 \def\@LTR{LTR}
16153 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
16154 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
16155 \let\@TeX\TeX
16156 \def\TeX{\@ensure@LTR{\@TeX}}
16157 \let\@LaTeX\LaTeX
16158 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
16159 \let\@LaTeXe\LaTeXe
16160 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
16161 \long\def\bidi@reflect@box#1{%
16162   \leavevmode
16163   \setbox\z@\hbox{{#1}}%
16164   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
16165   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
16166 }
16167 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
16168   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
16169 \def\XeLaTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
16170   \hbox{\kern-.125em\bidi@reflect@box{E}}\kern-.1667em \LaTeX}}$}}
16171 \let\setRL=\setRTL
16172 \let\setLR=\setLTR
16173 \let\unsetRL=\setLTR
16174 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
16175   \ialign{##\hfil$&\quad{##}\hfil\crrc#1\crrc}}\right\}}
16176 \def\SepMark#1{\gdef\@SepMark{\if@RTL\fi#1\if@RTL\fi}}
16177 \SepMark{.}
16178 \def\@thmcountersep{\@SepMark}
16179 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
16180 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
16181 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
16182 \def\list#1#2{%
16183   \ifnum \@listdepth >5\relax
16184     \@toodeep
16185   \else
16186     \global\advance\@listdepth\@ne

```



```

16187 \fi
16188 \rightmargin\z@
16189 \listparindent\z@
16190 \itemindent\z@
16191 \csname @list\romannumeral\the\@listdepth\endcsname
16192 \def\@itemlabel{#1}%
16193 \let\makelabel\@mklab
16194 \@nmbrlistfalse
16195 #2\relax
16196 \@trivlist
16197 \parskip\parsep
16198 \parindent\listparindent
16199 \advance\linewidth -\rightmargin
16200 \advance\linewidth -\leftmargin
16201 \if@bidi@list@minipage@parbox
16202 \if@RTL
16203 \advance\@totalleftmargin \leftmargin
16204 \else
16205 \advance\@totalleftmargin \rightmargin
16206 \fi
16207 \else
16208 \if@RTLtab
16209 \if@bidi@list@minipage@parbox@not@nob
16210 \if@RTL
16211 \advance\@totalleftmargin \rightmargin
16212 \else
16213 \advance\@totalleftmargin \leftmargin
16214 \fi
16215 \else
16216 \if@RTL
16217 \advance\@totalleftmargin \leftmargin
16218 \else
16219 \advance\@totalleftmargin \rightmargin
16220 \fi\fi
16221 \else
16222 \if@RTL
16223 \advance\@totalleftmargin \rightmargin
16224 \else
16225 \advance\@totalleftmargin \leftmargin
16226 \fi\fi\fi
16227 \parshape \@ne \@totalleftmargin \linewidth
16228 \ignorespaces}
16229 \def\@item[#1]{%
16230 \if@noparitem
16231 \@donoparitem
16232 \else
16233 \if@inlabel
16234 \indent \par
16235 \fi
16236 \ifhmode

```



```

16237     \unskip\unskip \par
16238 \fi
16239 \if@newlist
16240     \if@nobreak
16241         \@nbitem
16242     \else
16243         \addpenalty\@beginparpenalty
16244         \addvspace\@topsep
16245         \addvspace{-\parskip}%
16246     \fi
16247 \else
16248     \addpenalty\@itempenalty
16249     \addvspace\itemsep
16250 \fi
16251 \global\@inlabeltrue
16252 \fi
16253 \everypar{\if@bidi@list@minipage@parbox\if@RTL\else\beginL\fi\else\if@RTLtab\if@RTL\else\beginR\fi\fi}%
16254 \global\@minipagefalse
16255 \global\@newlistfalse
16256 \if@inlabel
16257     \global\@inlabelfalse
16258     {\setbox\z@\lastbox
16259     \ifvoid\z@
16260         \kern-\itemindent
16261     \fi}%
16262 \box\@labels
16263 \penalty\z@
16264 \fi
16265 \if@nobreak
16266     \@nobreakfalse
16267     \clubpenalty \@M
16268 \else
16269     \clubpenalty \@clubpenalty
16270 \everypar{}%
16271 \fi}%
16272 \if@noitemarg
16273     \@noitemargfalse
16274     \if@nmbbrlist
16275         \refstepcounter\@listctr
16276     \fi
16277 \fi
16278 \sbox\@tempboxa{\makelabel{#1}}%
16279 \global\setbox\@labels\hbox{%
16280     \unhbox\@labels
16281     \hskip \itemindent
16282     \hskip -\labelwidth
16283     \hskip -\labelsep
16284     \ifdim \wd\@tempboxa >\labelwidth
16285         \box\@tempboxa
16286     \else

```





```

16287     \hbox to\labelwidth {\unhbox\@tempboxa}%
16288     \fi
16289     \hskip \labelsep}%
16290     \ignorespaces}
16291 \long\def\@iiiparbox#1#2[#3]#4#5{%
16292     \leavevmode
16293     \@pboxswfalse
16294     \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
16295     \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
16296     \setlength\@tempdima{#4}%
16297     \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
16298     \ifx\relax#2\else
16299         \setlength\@tempdimb{#2}%
16300         \edef\@parboxto{to\the\@tempdimb}%
16301         \fi
16302         \if#1b\vbox
16303         \else\if #1t\top
16304         \else\ifmmode\vcenter
16305         \else\@pboxswtrue $\vcenter
16306         \fi\fi\fi
16307         \@parboxto{\let\hss\vss\let\unhbox\unvbox
16308             \csname bm@#3\endcsname}%
16309         \if@pboxsw \m@th$\fi
16310         \@end@tempboxa}
16311 \newenvironment{LTRitems}
16312     {\par\@RTLfalse
16313     \if@bidi@list@minipage@parbox
16314         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
16315         \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
16316         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
16317         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
16318         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
16319         \ignorespaces}{\vskip\z@}
16320 \newenvironment{RTLitems}
16321     {\par\@RTLtrue
16322     \if@bidi@list@minipage@parbox
16323         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
16324         \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
16325         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
16326         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
16327         \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
16328         \ignorespaces}{\vskip\z@}
16329 \newenvironment{LTRbibitems}
16330     {\par\@RTLfalse
16331     \if@bidi@list@minipage@parbox
16332         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
16333         \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
16334         \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
16335         \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
16336         \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi

```



```

16337             \ignorespaces}{\vskip\z@}
16338 \newenvironment{RTLbibitems}
16339     {\par\@RTLtrue
16340      \if@bidi@list@minipage@parbox
16341       \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
16342       \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
16343       \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
16344       \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
16345       \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
16346      \ignorespaces}{\vskip\z@}
16347 \def\raggedright{%
16348     \let\\\@centercr
16349     \rightskip\z@skip\rightskip\@flushglue
16350     \parindent\z@\parfillskip\z@skip}
16351 \let\bidiorig@raggedleft\raggedleft
16352 \let\bidiorig@raggedright\raggedright
16353 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidiorig@raggedright\else\if@RTLtab\b
16354 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidiorig@raggedleft\else\if@RTLtab\b
16355 \newcommand{\bidioraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
16356 \newcommand{\bidioraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
16357 \def\centerline#1{%
16358 \if@RTL\@@line{\hss\beginR#1\endR\hss}
16359 \else\@@line{\hss#1\hss}\fi}
16360 \def\leftline#1{%
16361 \if@RTL\@@line{\beginR#1\endR\hss}
16362 \else\@@line{#1\hss}\fi}
16363 \def\rightline#1{%
16364 \if@RTL\@@line{\hss\beginR#1\endR}
16365 \else\@@line{\hss#1}\fi}
16366 \let\bidiorig@leftline\leftline
16367 \let\bidiorig@rightline\rightline
16368 \def\leftline#1{\ifhmode\if@RTL\bidiorig@rightline{#1}\else\bidiorig@leftline{#1}\fi\else\i
16369 \def\rightline#1{\ifhmode\if@RTL\bidiorig@leftline{#1}\else\bidiorig@rightline{#1}\fi\else\i
16370 \def\bidirlap#1{\hb@xt@z@{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
16371 \def\bidillap#1{\hb@xt@z@{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
16372 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
16373     \hangindent \if@RTL-\else\fi wd\@tempboxa\noindent\box\@tempboxa}
16374 \def\narrower{%
16375     \advance\if@RTL\rightskip\else\leftskip\fi\parindent
16376     \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
16377 \def\underline#1{%
16378     \relax
16379     \ifmmode\@@underline{#1}%
16380     \else
16381     \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
16382     \else
16383     $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
16384 \ifcompatibility
16385     \let\undertext=\underline
16386 \fi

```



```

16387 \global\@RTLtabfalse
16388 \def\@tabular{\ifRTL\@RTLtabtrue\fi
16389   \leavevmode \hbox \bgroup \ifRTLtab\beginR \fi
16390   $\let\@acol\@tabacol
16391   \let\@classz\@tabclassz
16392   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
16393 \def\endtabular{\crrc\egroup\ifRTLtab\egroup\endR\egroup\fi
16394   \egroup $\ifRTLtab\endR\fi\egroup
16395   \@RTLtabfalse}
16396 \expandafter \let \csname endtabular*\endcsname = \endtabular
16397 \def\@array[#1]#2{%
16398   \if #1t\top \else \if#1b\box \else \vcenter \fi\fi
16399   \bgroup
16400   \setbox\@arstrutbox\hbox{%
16401     \vrule \@height\arraystretch\ht\strutbox
16402     \@depth\arraystretch \dp\strutbox
16403     \@width\z@}%
16404   \@mkpream{#2}%
16405   \edef\@preamble{%
16406     \ialign \noexpand\@halignto
16407       \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
16408   \let\@startpbox\@startpbox \let\@endpbox\@endpbox
16409   \let\@tabularnewline\\%
16410   \let\par\@empty
16411   \let\@sharp##%
16412   \set@typeset@protect
16413   \lineskip\z@skip\baselineskip\z@skip
16414   \ifhmode \@preamerr\z@ \@@par\fi
16415   \ifRTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
16416   \@preamble}
16417 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
16418   \let\@classiv\@arrayclassiv
16419   \let\\\@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
16420 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
16421   \ifnum \@lastchclass=3 5 \else
16422   \z@ \if #1c\@chnum \z@ \else
16423     \if \ifRTLtab#1r\else#1l\fi\@chnum \@ne \else
16424     \if \ifRTLtab#1l\else#1r\fi\@chnum \tw@ \else
16425     \@chclass \if #1|\@ne \else
16426     \if #1@\tw@ \else
16427     \if #1p3 \else \z@ \@preamerr 0\fi
16428   \fi \fi \fi \fi \fi \fi
16429 \fi}
16430 \def\bm@l{\ifRTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
16431 \def\bm@r{\ifRTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
16432 \def\bm@t{\unhbox\@tempboxa\hss}
16433 \def\bm@b{\hss\unhbox\@tempboxa}
16434 \def\@dottedtocline#1#2#3#4#5{%
16435   \ifnum #1>\c@tocdepth \else
16436     \vskip \z@ \@plus.2\p@

```



```

16437 {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
16438 \parindent #2\relax\@afterindenttrue
16439 \interlinepenalty\@M
16440 \leavevmode
16441 \@tempdima #3\relax
16442 \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righski
16443 {#4}\nobreak
16444 \leaders\hbox{$\m@th
16445 \mkern \dotsep mu\hbox{.}\mkern \dotsep
16446 mu$}\hfill
16447 \nobreak
16448 \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
16449 \par}%
16450 \fi}
16451 \def\RTL@outputdblcol{%
16452 \if@firstcolumn \global\@firstcolumnfalse
16453 \global\setbox\@leftcolumn \box\@outputbox
16454 \else \global\@firstcolumntrue
16455 \setbox\@outputbox \vbox {\hbox to\textwidth {%
16456 \hskip \columnwidth
16457 \hfil \vrule width\columnseprule \hfil
16458 \hbox to\columnwidth {\box\@leftcolumn \hss}}%
16459 \hskip -\textwidth
16460 \hbox to\columnwidth{\box\@outputbox \hss}}%
16461 \hskip \columnsep
16462 \hskip \columnwidth }}%
16463 \@combinedblfloats \@outputpage
16464 \begingroup \@dblfloatplacement \@startdblcolumn
16465 \@whiles\if@fcolmade \fi
16466 {\@outputpage \@startdblcolumn }\endgroup
16467 \fi}
16468 \def\LTR@outputdblcol{%
16469 \if@firstcolumn
16470 \global \@firstcolumnfalse
16471 \global \setbox\@leftcolumn \box\@outputbox
16472 \else
16473 \global \@firstcolumntrue
16474 \setbox\@outputbox \vbox {%
16475 \hb@xt@\textwidth {%
16476 \hb@xt@\columnwidth {%
16477 \box\@leftcolumn \hss}%
16478 \hfil
16479 {\normalcolor\vrule \@width\columnseprule}%
16480 \hfil
16481 \hb@xt@\columnwidth {%
16482 \box\@outputbox \hss}%
16483 }%
16484 }%
16485 \@combinedblfloats
16486 \@outputpage

```



```

16487 \beginngroup
16488 \@dblfloatplacement
16489 \@startdblcolumn
16490 \@whilesw\if@fcolmade \fi
16491 {\@outputpage
16492 \@startdblcolumn}%
16493 \endgroup
16494 \fi
16495 }
16496 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
16497 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
16498 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
16499 \def\LTRmarginpar{%
16500 \ifhmode
16501 \@bsphack
16502 \@floatpenalty -\@Mii
16503 \else
16504 \@floatpenalty -\@Miii
16505 \fi
16506 \ifinner
16507 \@parmoderr
16508 \@floatpenalty\z@
16509 \else
16510 \@next\@currbox\@freelist{}{}%
16511 \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
16512 {\@floatpenalty\z@
16513 \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
16514 \fi
16515 \@ifnextchar [\@LTRxmpar\@LTRympar}
16516 \long\def\@LTRxmpar[#1]#2{%
16517 \@LTRsavemarbox\@marbox{#1}%
16518 \@LTRsavemarbox\@currbox{#2}%
16519 \@xympar}
16520 \long\def\@LTRympar#1{%
16521 \@LTRsavemarbox\@marbox{#1}%
16522 \global\setbox\@currbox\copy\@marbox
16523 \@xympar}
16524 \long\def\@LTRsavemarbox #1#2{%
16525 \global\setbox #1%
16526 \color@vbox
16527 \vtop{%
16528 \hsize\marginparwidth
16529 \@parboxrestore
16530 \@LTRmarginparreset
16531 #2%
16532 \@minipagefalse
16533 \outer@nobreak
16534 }%
16535 \color@endbox
16536 }

```



```

16537 \def \LTRmarginparreset {%
16538     \reset@font
16539     \normalsize
16540     \@minipagetrue
16541     \everypar{\@minipagefalse\everypar{}\beginL}%
16542 }
16543 \def\RTLmarginpar{%
16544     \ifhmode
16545         \@bsphack
16546         \@floatpenalty -\@Mii
16547     \else
16548         \@floatpenalty-\@Miii
16549     \fi
16550     \ifinner
16551         \@parmoderr
16552         \@floatpenalty\z@
16553     \else
16554         \@next\@currbox\@freelist{}\}%
16555         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
16556         {\@floatpenalty\z@
16557         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
16558     \fi
16559     \ifnextchar [\@RTLxmpar\@RTLympar}
16560 \long\def\@RTLxmpar[#1]#2{%
16561     \@RTLSavemarbox\@marbox{#1}%
16562     \@RTLSavemarbox\@currbox{#2}%
16563     \@xympar}
16564 \long\def\@RTLympar#1{%
16565     \@RTLSavemarbox\@marbox{#1}%
16566     \global\setbox\@currbox\copy\@marbox
16567     \@xympar}
16568 \long\def \@RTLSavemarbox #1#2{%
16569     \global\setbox #1%
16570         \color@vbox
16571         \vtop{%
16572             \hsize\marginparwidth
16573             \@parboxrestore
16574             \LTRmarginparreset
16575             #2%
16576             \@minipagefalse
16577             \outer@nobreak
16578         }%
16579     \color@endbox
16580 }
16581 \def \@RTLmarginparreset {%
16582     \reset@font
16583     \normalsize
16584     \@minipagetrue
16585     \everypar{\@minipagefalse\everypar{}\beginR}%
16586 }

```



```

16587 \def\@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
16588 \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@ne
16589 \if@twocolumn
16590 \if@firstcolumn \@tempcnta\m@ne \fi
16591 \else
16592 \if@mparswitch
16593 \ifodd\c@page \else\@tempcnta\m@ne \fi
16594 \fi
16595 \if@reversemargin \@tempcnta -\@tempcnta \fi
16596 \fi
16597 \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
16598 \@tempdima\@mparbottom
16599 \advance\@tempdima -\@pageht
16600 \advance\@tempdima\ht\@marbox
16601 \ifdim\@tempdima >\z@
16602 \@latexwarning@no@line {Marginpar on page \thepage\space moved}%
16603 \else
16604 \@tempdima\z@
16605 \fi
16606 \global\@mparbottom\@pageht
16607 \global\advance\@mparbottom\@tempdima
16608 \global\advance\@mparbottom\dp\@marbox
16609 \global\advance\@mparbottom\marginparpush
16610 \advance\@tempdima -\ht\@marbox
16611 \global\setbox \@marbox
16612 \vbox {\vskip \@tempdima
16613 \box \@marbox}%
16614 \global \ht\@marbox \z@
16615 \global \dp\@marbox \z@
16616 \kern -\@pagedp
16617 \nointerlineskip
16618 \hb@xt@\columnwidth
16619 {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
16620 \hskip\columnwidth \hskip\marginparsep
16621 \else
16622 \hskip -\marginparsep \hskip -\marginparwidth
16623 \fi
16624 \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
16625 \nointerlineskip
16626 \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
16627 \long\def\@ympar#1{%
16628 \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar
16629 \global\setbox\@currbox\copy\@marbox
16630 \@xympar}
16631 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
16632 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
16633 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
16634 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
16635 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
16636 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar

```



```

16637 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
16638 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
16639 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}%
16640 \fi}
16641 \def\@outputpage{%
16642 \begingroup % the \endgroup is put in by \aftergroup
16643 \let \protect \noexpand
16644 \@resetactivechars
16645 \global\let\@if@newlist\if@newlist
16646 \global\@newlistfalse
16647 \@parboxrestore
16648 \shipout \vbox{%
16649 \set@typeset@protect
16650 \aftergroup \endgroup
16651 \aftergroup \set@typeset@protect
16652 % correct? or just restore by ending
16653 % the group?
16654 \if@specialpage
16655 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
16656 \fi
16657 \if@twoside
16658 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
16659 \let\@themargin\oddsidemargin
16660 \else \let\@thehead\@evenhead
16661 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
16662 \fi
16663 \ifx\@thehead\@empty \let\@thehead\hfil \fi
16664 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
16665 \else %% not @twoside
16666 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
16667 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
16668 \fi
16669 \reset@font
16670 \normalsize
16671 \normalsfcodes
16672 \let\label\@gobble
16673 \let\index\@gobble
16674 \let\glossary\@gobble
16675 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
16676 \@begindvi
16677 \vskip \topmargin
16678 \moveright\@themargin \vbox {%
16679 \setbox\@tempboxa \vbox to\headheight{%
16680 \vfil
16681 \color\hbox
16682 \normalcolor
16683 \hbxt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTL
16684 \color@endbox
16685 }% %% 22 Feb 87
16686 \dp\@tempboxa \z@

```





```

16687      \box\@tempboxa
16688      \vskip \headsep
16689      \box\@outputbox
16690      \baselineskip \footskip
16691      \color@hbox
16692      \normalcolor
16693      \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
16694      \color@endbox
16695      }%
16696      }%
16697      \global\let\if@newlist\@if@newlist
16698      \global \colht \textheight
16699      \stepcounter{page}%
16700      \let\firstmark\botmark
16701  }
16702  \long\def\@makecaption#1#2{%
16703    \vskip\abovecaptionskip
16704    \sbox\@tempboxa{#1: #2}%
16705    \ifdim \wd\@tempboxa >\hsize
16706      \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
16707    \else
16708      \global \@minipagefalse
16709      \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
16710      \fi
16711      \vskip\belowcaptionskip}
16712  \let\@bidi@sav@eqno=\eqno
16713  \let\@bidi@sav@leqno=\leqno
16714  \def\@eqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@leqno \else \@bidi@sav@eqno \fi}
16715  \def\@leqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@eqno \else \@bidi@sav@leqno \fi}
16716  \if@packageloaded{amsmath}{%
16717  \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
16718  }
16719  \input{footnote-xetex-bidi.def}
16720  \if@twocolumn
16721    \let\autofooterule\relax
16722    \let\leftfootnoterule\relax
16723    \let\rightfootnoterule\relax
16724    \textwidthfootnoterule
16725  \fi
16726  \if@bidi@csundef{\@idxitem}{%
16727  \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi40\p}%
16728  }
16729  \ifclassloaded{article}{\ifclassloaded{svmult}}{\input{article-xetex-bidi.def}}{}
16730  \ifclassloaded{extarticle}{\input{extarticle-xetex-bidi.def}}{}
16731  \ifclassloaded{artikel1}{\input{artikel1-xetex-bidi.def}}{}
16732  \ifclassloaded{artikel2}{\input{artikel2-xetex-bidi.def}}{}
16733  \ifclassloaded{artikel3}{\input{artikel3-xetex-bidi.def}}{}
16734  \ifclassloaded{amsart}{\input{amsart-xetex-bidi.def}}{}
16735  \ifclassloaded{letter}{\input{letter-xetex-bidi.def}}{}
16736  \ifclassloaded{scrlettr}{\input{scrlettr-xetex-bidi.def}}{}

```



```

16737 \ifclassloaded{extletter}{\input{extletter-xetex-bidi.def}}{}
16738 \ifclassloaded{memoir}{\input{memoir-xetex-bidi.def}}{}
16739 \ifclassloaded{refrep}{\input{refrep-xetex-bidi.def}}{}
16740 \ifclassloaded{extreport}{\input{extreport-xetex-bidi.def}}{}
16741 \ifclassloaded{report}{\ifpackageloaded{flowfram}}{\input{report-xetex-bidi.def}}{}
16742 \ifclassloaded{rapport1}{\input{rapport1-xetex-bidi.def}}{}
16743 \ifclassloaded{rapport3}{\input{rapport3-xetex-bidi.def}}{}
16744 \ifclassloaded{scrartcl}{\input{scrartcl-xetex-bidi.def}}{}
16745 \ifclassloaded{scrbook}{\input{scrbook-xetex-bidi.def}}{}
16746 \ifclassloaded{scrreprt}{\input{scrreprt-xetex-bidi.def}}{}
16747 \ifclassloaded{amsbook}{\input{amsbook-xetex-bidi.def}}{}
16748 \ifclassloaded{extbook}{\input{extbook-xetex-bidi.def}}{}
16749 \ifclassloaded{boek}{\input{boek-xetex-bidi.def}}{}
16750 \ifclassloaded{boek3}{\input{boek3-xetex-bidi.def}}{}
16751 \ifclassloaded{book}{\ifpackageloaded{flowfram}}{\input{book-xetex-bidi.def}}{}
16752 \ifclassloaded{bookest}{\input{bookest-xetex-bidi.def}}{}
16753 \ifclassloaded{combine}{\input{combine-xetex-bidi.def}}{}
16754 \ifpackageloaded{amsmath}{}{}
16755 \iftagsloaded{leqno}{\input{leqno-xetex-bidi.def}}{}
16756 \iftagsloaded{fleqn}{\input{fleqn-xetex-bidi.def}}{}
16757 }
16758 \ifpackageloaded{mathtools}{\RequirePackage{graphicx}}{}
16759 \ifpackageloaded{crop}{\RequirePackage{graphicx}}{}
16760 \ifpackageloaded{sidecap}{\RequirePackage{ragged2e}}{}
16761 \ifpackageloaded{floatrow}{\RequirePackage{color}}{}
16762 \ifpackageloaded{amsmath}{\input{amsmath-xetex-bidi.def}}{}
16763 \ifpackageloaded{amstext}{\input{amstext-xetex-bidi.def}}{}
16764 \ifpackageloaded{amsthm}{\input{amsthm-xetex-bidi.def}}{}
16765 \ifpackageloaded{breqn}{\input{breqn-xetex-bidi.def}}{}
16766 \ifpackageloaded{cals}{\input{cals-xetex-bidi.def}}{}
16767 \ifpackageloaded{caption}{\input{caption-xetex-bidi.def}}{}
16768 \ifpackageloaded{caption3}{\input{caption3-xetex-bidi.def}}{}
16769 \ifpackageloaded{floatrow}{\input{floatrow-xetex-bidi.def}}{}
16770 \ifpackageloaded{crop}{\ifclassloaded{memoir}}{\input{crop-xetex-bidi.def}}{}
16771 \ifpackageloaded{color}{\input{color-xetex-bidi.def}}{}
16772 \ifpackageloaded{cutwin}{\input{cutwin-xetex-bidi.def}}{}
16773 \ifpackageloaded{cuted}{\input{cuted-xetex-bidi.def}}{}
16774 \ifpackageloaded{xcolor}{\input{xcolor-xetex-bidi.def}}{}
16775 \ifpackageloaded{colortbl}{\input{colortbl-xetex-bidi.def}}{}
16776 \ifpackageloaded{float}{\ifpackageloaded{floatrow}}{\input{float-xetex-bidi.def}}{}
16777 \ifpackageloaded{flowfram}{\input{flowfram-xetex-bidi.def}}{}
16778 \ifpackageloaded{xltextra}{\input{xltextra-xetex-bidi.def}}{}
16779 \ifpackageloaded{wrapfig}{\input{wrapfig-xetex-bidi.def}}{}
16780 \ifpackageloaded{graphicx}{\input{graphicx-xetex-bidi.def}}{}
16781 \ifpackageloaded{geometry}{\input{geometry-xetex-bidi.def}}{}
16782 \ifpackageloaded{hvfloat}{\input{hvfloat-xetex-bidi.def}}{}
16783 \ifpackageloaded{ntheorem}{\input{ntheorem-xetex-bidi.def}}{}
16784 \ifpackageloaded{tabularx}{\input{tabularx-xetex-bidi.def}}{}
16785 \ifpackageloaded{longtable}{\input{longtable-xetex-bidi.def}}{}
16786 \ifpackageloaded{hyperref}{\input{hyperref-xetex-bidi.def}}{}

```



```

16787 \@ifpackageloaded{nththeorem-hyper}{\input{nththeorem-hyper-xetex-bidi.def}}{}
16788 \@ifpackageloaded{fancybox}{\input{fancybox-xetex-bidi.def}}{}
16789 \@ifpackageloaded{fancyhdr}{\input{fancyhdr-xetex-bidi.def}}{}
16790 \@ifpackageloaded{fix2col}{\input{fix2col-xetex-bidi.def}}{}
16791 \@ifpackageloaded{ftnright}{\input{ftnright-xetex-bidi.def}}{}
16792 \@ifpackageloaded{midfloat}{\input{midfloat-xetex-bidi.def}}{}
16793 \@ifpackageloaded{draftwatermark}{\input{draftwatermark-xetex-bidi.def}}{}
16794 \@ifpackageloaded{dblfnote}{\input{dblfnote-xetex-bidi.def}}{}
16795 \@ifpackageloaded{eso-pic}{\input{eso-pic-xetex-bidi.def}}{}
16796 \@ifpackageloaded{empheq}{\input{empheq-xetex-bidi.def}}{}
16797 \@ifpackageloaded{framed}{\input{framed-xetex-bidi.def}}{}
16798 \@ifpackageloaded{pdfpages}{\input{pdfpages-xetex-bidi.def}}{}
16799 \@ifpackageloaded{lettrine}{\input{lettrine-xetex-bidi.def}}{}
16800 \@ifpackageloaded{listings}{\input{listings-xetex-bidi.def}}{}
16801 \@ifpackageloaded{pstricks}{\input{pstricks-xetex-bidi.def}}{}
16802 \@ifpackageloaded{pgf}{\input{pgf-xetex-bidi.def}}{}
16803 \@ifpackageloaded{titlesec}{\input{titlesec-xetex-bidi.def}}{}
16804 \@ifpackageloaded{titletoc}{\input{titletoc-xetex-bidi.def}}{}
16805 \@ifpackageloaded{array}{\input{array-xetex-bidi.def}}{}
16806 \@ifpackageloaded{sidecap}{\input{sidecap-xetex-bidi.def}}{}
16807 \@ifpackagewith{sidecap}{innercaption}{%
16808 \if@RTL \renewcommand*{\SC@FLOAT}[2]{%
16809 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1} {\#1}\hspace{\sidecaptionsep}{#2}}
16810 \renewcommand*{\SC@justify@caption}{%
16811 \isSC@ODD{\RaggedRight}{\RaggedLeft}}\else
16812 \renewcommand*{\SC@FLOAT}[2]{%
16813 \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2} {\#2}\hspace{\sidecaptionsep}{#1}}
16814 \renewcommand*{\SC@justify@caption}{%
16815 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\fi
16816 }{}
16817 \@ifpackagewith{sidecap}{rightcaption}{%
16818 \if@RTL\renewcommand*{\SC@FLOAT}[2]{\#1}\hspace{\sidecaptionsep}{#2}}
16819 \def\SC@justify@caption{\RaggedLeft}\else%
16820 \renewcommand*{\SC@FLOAT}[2]{\#2}\hspace{\sidecaptionsep}{#1}}
16821 \def\SC@justify@caption{\RaggedRight}\fi%
16822 }{}
16823 \@ifpackagewith{sidecap}{leftcaption}{%
16824 \if@RTL \renewcommand*{\SC@FLOAT}[2]{\#2}\hspace{\sidecaptionsep}{#1}}
16825 \def\SC@justify@caption{\RaggedRight}\else%
16826 \renewcommand*{\SC@FLOAT}[2]{\#1}\hspace{\sidecaptionsep}{#2}}
16827 \def\SC@justify@caption{\RaggedLeft}\fi%
16828 }{}
16829 \@ifpackageloaded{stabular}{\input{stabular-xetex-bidi.def}}{}
16830 \@ifpackageloaded{subfigure}{\input{subfigure-xetex-bidi.def}}{}
16831 \@ifpackageloaded{arydshln}{\input{arydshln-xetex-bidi.def}}{}
16832 \@ifpackageloaded{mdframed}{\input{mdframed-xetex-bidi.def}}{}
16833 \@ifpackageloaded{multicol}{\input{multicol-xetex-bidi.def}}{}
16834 \@ifpackageloaded{multienum}{\input{multienum-xetex-bidi.def}}{}
16835 \@ifpackageloaded{natbib}{\input{natbib-xetex-bidi.def}}{}
16836 \@ifpackageloaded{newfloat}{\input{newfloat-xetex-bidi.def}}{}

```



```

16837 \ifpackageloaded{minitoc}{\input{minitoc-xetex-bidi.def}}{}
16838 \ifpackageloaded{picinpar}{\input{picinpar-xetex-bidi.def}}{}
16839 \ifpackageloaded{quotchap}{\input{quotchap-xetex-bidi.def}}{}
16840 \ifpackageloaded{ragged2e}{\input{ragged2e-xetex-bidi.def}}{}
16841 \ifpackageloaded{rotating}{\input{rotating-xetex-bidi.def}}{}
16842 \ifpackageloaded{tabls}{\input{tabls-xetex-bidi.def}}{}
16843 \ifpackageloaded{tabulary}{\input{tabulary-xetex-bidi.def}}{}
16844 \ifpackageloaded{tocstyle}{\input{tocstyle-xetex-bidi.def}}{}
16845 \ifpackageloaded{tocbibind}{\ifclassloaded{memoir}{\input{tocbibind-xetex-bidi.def}}{}}{}
16846 \ifpackageloaded{tocloft}{\ifclassloaded{memoir}{\input{tocloft-xetex-bidi.def}}{}}{}
16847 \ifdefinitionfileloaded{tc-xetex}{\input{tc-xetex-bidi.def}}{}

```

## 7.115 xltextra-xetex-bidi.def

```

16848 \ProvidesFile{xltextra-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for xltextra package for X
16849 \let\@XeTeX\XeTeX
16850 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
16851 \let\@XeLaTeX\XeLaTeX
16852 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

```

## 8 Index

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## 9 Change History

v13.9	General: Added implementaion of the package. . . . .	o	lot, lof, etc with multicol package. . . . .	266	
v14.2	General: Fixed the wrong order of toc,				
			v14.3	General: Removed \leavevmode to avoid extra \par. . . . .	120

