



The bidi *Package*

Documentation for *version 16.5*

to my Master, Ferdowsi The Great

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<https://github.com/persian-tex/bidi/issues>

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The *bid* Package

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

Documentation for *version 16.5*

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Introduction

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

bidi Info On The Terminal and In The Log File

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

```
*****
*
* bidi package (Bidirectional typesetting in
* plain TeX and LaTeX, using XeTeX engine)
*
* Description: A convenient interface for
* typesetting bidirectional texts in plain TeX
* and LaTeX. The package includes adaptations
* for use with many other commonly-used packages.
*
* Copyright (c) 2009--2015 Vafa Khalighi
*
* 2015/02/01, v16.5
*
* 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

\LaTeX Manual

1 Basics

1.1 Loading The Package

You can load the package in the ordinary way;



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

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

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

For instance, consider the following minimal example:

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

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

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

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

1.4 \begin{document}

?
```

1.2 bidi's Symbol

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

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



1.3 Commands for Version number, and Date of The Package

`\bidiversion` `\bididate`

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

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

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

1.4 Turning TeX--XeT features on and off

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

`\TeXXeTOn` `\TeXXeTOff`

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

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

1.5 Options of The Package

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

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

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



```

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

```

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

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

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

☞ `\paragraphfootnotes` typesets footnotes in paragraph format.

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

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

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

1.6 Paragraph Switching Commands

```

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

```

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

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

```

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

```




```

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

```

1.7 Paragraph Switching Environments

```

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

```

☞ With LTR environment, you can typeset LTR paragraphs.

☞ With RTL environment, you can typeset RTL paragraphs.

```

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

```

1.8 Typesetting Short LTR and RTL Texts

```

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

```

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

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



```

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

```

1.9 Footnotes

```

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

```

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



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

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

1.9.1 Footnote Rule

The behavior of footnote rules can also be controlled.

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

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

1.10 Two Column Typesetting

```
\RTLdblcol \LTRdblcol
```

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



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

1.11 RTL cases

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

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

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

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

1.12 Typesetting Logos

```
\XeTeX \XeLaTeX
```

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

1.13 Separation Mark

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

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

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



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

```

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

```

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

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

1.15 Primitive-like commands

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

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

1.16 Something To know about `\hbox`

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



```

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

```

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

```

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

```

1.17 `\bidillap` and `\bidirlap` Commands

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

1.18 `LTRitems` and `RTLitems` Environments

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

```

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

```

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

```

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

```



```

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

```

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

```

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

```

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

```

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

```

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

```

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

```



1.19 LTRbibitems and RTLbibitems Environments

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

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

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

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

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

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

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



1.21 Typesetting margin par

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

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

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

1.22 Typesetting of Headers and Footers

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

1.23 Tabular Typesetting

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

1.24 Equation Numbers

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

2 Support For Various Packages and Classes

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



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

2.1 Color

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

2.2 The dblfnote package

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

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

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

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

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

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

2.3 Hyperref

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



2.4 The listings package

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

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

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

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

Giving any other values gives you an error.

2.5 flowfram Package

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

2.6 Multicolumn Typesetting

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

`\RTLmulticolcolumns` `\LTRmulticolcolumns`

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

3 Extra bidi Packages and Classes



3.1 bidi-longtable package

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

3.2 bidentufte bundle

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

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

`\LTRsidenote` `\RTLsidenote` `\LTRmarginnote` `\RTLmarginnote`

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

3.3 Typesetting \TeX and \LaTeX Codes

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

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



3.4 Typesetting Poems

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

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

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

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

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

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

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

3.5 Typesetting Resumé

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

3.6 Print Two Pages On A Single Page

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

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



3.7 Producing Presentations

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

4 Some Useful Internal Macros and Programming Tips

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

4.1 Equating Conditionals

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

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

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

4.2 RTL Conditional

`\if@RTL`

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

4.3 Main RTL Conditional

`\if@RTLmain`

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

4.4 Latin Conditional

`\if@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_EX Manual

5 Basics

5.1 Loading The Package

You can load the package in the ordinary way;

```
\input bidi
```

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

5.2 Commands for Version number, and Date of The Package

```
\bidiversion \bididate
```

- ☞ `\bidiversion` gives the current version of the package.
- ☞ `\bididate` gives the current date of the package.

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



5.3 Turning TeX--XeT features on and off

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

`\TeXXeTOn \TeXXeTOff`

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

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

5.4 Paragraph Switching Commands

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

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

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

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

5.5 Paragraph Switching Environments

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

☞ With LTR environment, you can typeset LTR paragraphs.



☞ With RTL environment, you can typeset RTL paragraphs.

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

5.6 Typesetting Short LTR and RTL Texts

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

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

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

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



5.7 Primitive-like commands

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

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

5.8 Something To know about `\hbox`

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

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

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

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

5.9 Typesetting Logos

`\XeTeX`

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

6 Some Useful Internal Macros and Programming Tips

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



6.1 RTL Conditional

`\if@RTL`

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

6.2 Main RTL Conditional

`\if@RTLmain`

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

6.3 Direction Ensuring Macros

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

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

6.4 Reset Direction Macro

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

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

7 bidi implementation

7.1 amsart-xetex-bidi.def

```
1 \ProvidesFile{amsart-xetex-bidi.def}[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\rightskip\else\leftskip\fi#3\relax \advance\if@RTL\rightskip\else\left
13 \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
14 #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
15 \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
16 \nobreak
17 \endgroup
18 \fi}
19 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
20 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
21 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
22 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
23 \def\part{\@startsection{part}{0}%
24 \z@{\linespacing\@plus\linespacing}{.5\linespacing}%
25 {\normalfont\bfseries\if@RTL\raggedleft\else\raggedright\fi}}
26 \def\right@footnoterule{%
27 \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 \if@RTL\if@LTRbibitems\RTLfalse\else\fi\else\if@RTLbibitems\@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 \if@RTL\raggedleft\else\raggedright\fi
101 \hyphenpenalty\@M
102 \footnotesize}
103 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
104 \def\@subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}
105 \def\@subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
106 \def\maketitle{\par

```



```

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

```

7.2 algorithm2e-xetex-bidi.def

```

127 \ProvidesFile{algorithm2e-xetex-bidi.def}[2015/02/01 v0.1 bidi adaptations for algorithm2e packa
128 \expandafter\ifx\csname algocf@within\endcsname\relax% if \algocf@within doesn't exist
129 \else%
130 \renewcommand\thealgocf{\csname the\algocf@within\endcsname\@SepMark\@arabic\c@algocf}%
131 \fi%
132
133 \def\@algocf@pre@boxed{\noindent\begin{bidi@lrbox}{\algocf@algorithmbox}}
134 \def\@algocf@post@boxed{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algorithmbox}\par}%
135 \def\@algocf@pre@boxruled{\noindent\begin{bidi@lrbox}{\algocf@algorithmbox}}
136 \def\@algocf@post@boxruled{\end{bidi@lrbox}\framebox[\hsize]{\box\algocf@algorithmbox}\par}%
137 \renewcommand{\@algocf@start}{%
138     \@algoskip%
139     \begin{bidi@lrbox}{\algocf@algorithmbox}%
140     \setlength{\algowidth}{\hsize}%
141     \vbox\bgroup% save all the algo in a box
142     \hbox to\algowidth\bgroup\hbox to \algomargin{\hfill}\vtop\bgroup%
143     \ifthenelse{\boolean{algocf@slide}}{\parskip 0.5ex\color{black}}{}%
144     % initialization
145     \addtolength{\hsize}{-1.5\algomargin}%
146     \let\@mathsemicolon=\; \def\;{\ifmmode\@mathsemicolon\else\@endalgoln\fi}%
147     \raggedright\AlFnt}%
148     \ifthenelse{\boolean{algocf@slide}}{\IncMargin{\skipalgocfslide}}{}%
149     \@algoinsideskip%
150 % \let\@emathdisplay=\]\def\]\{\algocf@endline\@emathdisplay\nl}%
151 }%
152 \renewcommand{\@algocf@finish}{%
153     \@algoinsideskip%

```



```

154 \egroup%end of vtop which contain all the text
155 \hfill\egroup%end of hbox wich contains [margin][vtop]
156 \ifthenelse{\boolean{algcfs@slide}}{\DecMargin{\skipalgcfs@slide}}{}%
157 %
158 \egroup%end of main vbox
159 \end{bidi@lrbox}%
160 \algcfs@makethealgo% print the algo
161 \@algoskip%
162 % restore dimension and macros
163 \setlength{\hspace}{\algowidth}%
164 \lineskip\normallineskip\setlength{\skiptotal}{\@defaultskiptotal}%
165 \let\;=\@mathsemicolon%
166 \let\]=\@mathdisplay%
167 }%

```

7.3 amsbook-xetex-bidi.def

```

168 \ProvidesFile{amsbook-xetex-bidi.def}[2013/04/26 v0.9 bidi adaptations for amsbook class for XeTeX]
169 \def\@tocline#1#2#3#4#5#6#7{\relax
170   \ifnum #1>\c@tocdepth % then omit
171   \else
172     \par \addpenalty\@secpenalty\addvspace{#2}%
173     \begingroup \hyphenpenalty\@M
174     \@ifempty{#4}{%
175       \@tempdima\csname r@tocindent\number#1\endcsname\relax
176     }{%
177       \@tempdima#4\relax
178     }%
179     \parindent\z@ \if@RTL\righskip\else\leftskip\fi#3\relax \advance\if@RTL\righskip\else\leftskip\fi
180     \if@RTL\leftskip\else\rightskip\fi\@pnumwidth plus4em \parfillskip-\@pnumwidth
181     #5\leavevmode\hskip-\@tempdima #6\nobreak\relax
182     \hfil\hbox to\@pnumwidth{\@tocpagenum{#7}}\par
183     \nobreak
184     \endgroup
185   \fi}
186 \renewcommand\thesubsection {\thesection\@SepMark\arabic{subsection}}
187 \renewcommand\thesubsubsection {\thesubsection \@SepMark\arabic{subsubsection}}
188 \renewcommand\theparagraph {\thesubsubsection\@SepMark\arabic{paragraph}}
189 \renewcommand\thesubparagraph {\theparagraph\@SepMark\arabic{subparagraph}}
190 \def\theindex{\@restonecoltrue\if@twocolumn\@restonecolfalse\fi
191   \columnseprule\z@ \columnsep 35\p@
192   \@indextitlestyle
193   \thispagestyle{plain}%
194   \let\item\@idxitem
195   \parindent\z@ \parskip\z@\@plus.3\p@\relax
196   \if@RTL\raggedleft\else\raggedright\fi
197   \hyphenpenalty\@M
198   \footnotesize}
199 \def\@idxitem{\par\hangindent \if@RTL-\fi2em}
200 \def\subitem{\par\hangindent \if@RTL-\fi2em\hspace*{1em}}

```




```

201 \def\subsubitem{\par\hangindent \if@RTL-\fi3em\hspace*{2em}}
202 \def\right@footnoterule{%
203   \hbox to \columnwidth
204   {\beginR \vbox{\kern-.4\p@
205     \hrule\@width 5pc\kern11\p@\kern-\footnotesep}\hfil\endR}}
206 \def\left@footnoterule{\kern-.4\p@
207   \hrule\@width 5pc\kern11\p@\kern-\footnotesep}
208
209 \long\def\@footnotetext#1{%
210   \insert\footins{%
211     \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
212     \normalfont\footnotesize
213     \interlinepenalty\interfootnotelinepenalty
214     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
215     \floatingpenalty\@MM \hsize\columnwidth
216     \@parboxrestore \parindent\normalparindent \sloppy
217     \protected@edef\@currentlabel{%
218       \csname p@footnote\endcsname\@thefnmark}%
219     \@makefntext{%
220       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}}
221
222 \long\def\@RTLfootnotetext#1{%
223   \insert\footins{%
224     \@RTLtrue%
225     \normalfont\footnotesize
226     \interlinepenalty\interfootnotelinepenalty
227     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
228     \floatingpenalty\@MM \hsize\columnwidth
229     \@parboxrestore \parindent\normalparindent \sloppy
230     \protected@edef\@currentlabel{%
231       \csname p@footnote\endcsname\@thefnmark}%
232     \@makefntext{%
233       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}}
234
235
236 \long\def\@LTRfootnotetext#1{%
237   \insert\footins{%
238     \@RTLfalse%
239     \normalfont\footnotesize
240     \interlinepenalty\interfootnotelinepenalty
241     \splittopskip\footnotesep \splitmaxdepth \dp\strutbox
242     \floatingpenalty\@MM \hsize\columnwidth
243     \@parboxrestore \parindent\normalparindent \sloppy
244     \protected@edef\@currentlabel{%
245       \csname p@footnote\endcsname\@thefnmark}%
246     \@makefntext{%
247       \rule\z@\footnotesep\ignorespaces#1\unskip\strut\par}}}}
248
249
250

```



```

251 \footdir@temp\footdir@ORG@bidi@amsbook@footnotetext\@footnotetext{\bidi@footdir@footnote}%
252 \footdir@temp\footdir@ORG@bidi@amsbook@RTLfootnotetext\@RTLfootnotetext{R}%
253 \footdir@temp\footdir@ORG@bidi@amsbook@LTRfootnotetext\@LTRfootnotetext{L}%
254
255 \renewenvironment{thebibliography}[1]{%
256   \@bibtitlestyle
257   \normalfont\bibliofont\labelsep .5em\relax
258   \renewcommand\theenumiv{\arabic{enumiv}}\let\p@enumiv\empty
259   \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
260   \list{\@biblabel{\theenumiv}}{\settowidth\labelwidth{\@biblabel{#1}}%
261     \leftmargin\labelwidth \advance\leftmargin\labelsep
262     \usecounter{enumiv}}%
263   \sloppy \clubpenalty\@M \widowpenalty\clubpenalty
264   \sfcode`\.\=\@m
265 }{%
266   \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
267   \endlist
268 }
269 \def\@makechapterhead#1{\global\topskip 7.5pc\relax
270   \begingroup
271   \fontsize{\@xivpt}{18}\bfseries\centering
272   \ifnum\c@secnumdepth>\m@ne
273     \leavevmode \hskip-\ifRTL\rightskip\else\leftskip\fi
274     \rlap{\vbox to\z@{\vss
275       \centerline{\normalsize\mdseries
276         \uppercase\@xp{chaptername}\enspace\thechapter}
277       \vskip 3pc}}\hskip\ifRTL\rightskip\else\leftskip\fi\fi
278   #1\par \endgroup
279   \skip@34\p@ \advance\skip@-\normalbaselineskip
280   \vskip\skip@ }
281 \def\maketitle{\par
282   \@topnum\z@ % this prevents figures from falling at the top of page 1
283   \begingroup
284   \@maketitle
285   \endgroup
286   \c@footnote\z@
287   \def\do##1{\let##1\relax}%
288   \do\maketitle \do\@maketitle \do\title \do\@xtitle \do\@title
289   \do\author \do\@xauthor \do\address \do\@xaddress
290   \do\email \do\@xemail \do\curraddr \do\@xcurraddr
291   \do\dedicatory \do\@dedicatory \do\thanks \do\thankses
292   \do\keywords \do\@keywords \do\subjclass \do\@subjclass
293 }

```

7.4 amsmath-xetex-bidi.def

```

294 \ProvidesFile{amsmath-xetex-bidi.def}[2014/09/04 v0.9 bidi adaptations for amsmath package for Xe
295 \let\veqno=\eqno
296 \iftagsleft@ \let\veqno=\leqno \fi
297 \renewcommand{\numberwithin}[3][\arabic]{%

```



```

298 \ifundefined{c@#2}{\@nocounterr{#2}}{%
299 \ifundefined{c@#3}{\@nocnterr{#3}}{%
300 \addtoreset{#2}{#3}%
301 \exp\xdef\csname the#2\endcsname{%
302 \exp\@nx\csname the#3\endcsname \@nx\@SepMark\@nx#1{#2}}}%
303 }
304 \def\tagform#1{\maketag@@@{\if@Latin\else\beginR\fi(\ignorespaces#1\unskip\@@italiccorr)\if@

```

7.5 amstext-xetex-bidi.def

```

305 \ProvidesFile{amstext-xetex-bidi.def}[2013/04/04 v0.1 bidi adaptations for amstext package for Xe
306 \def\txtdef@#1#2#3{\hbox{%
307 \everymath{#1}%
308 \let\fontsize#2\selectfont
309 \if@Latin\else\beginR\fi#3\if@Latin\else\endR\fi}}

```

7.6 amsthm-xetex-bidi.def

```

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

```

7.7 array-xetex-bidi.def

```

312 \ProvidesFile{array-xetex-bidi.def}[2010/08/01 v0.2b bidi adaptations for array package for XeTe
313 \def\@testpach{\@chclass
314 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
315 \ifnum \@lastchclass=7 5 \else
316 \ifnum \@lastchclass=8 \tw@ \else
317 \ifnum \@lastchclass=9 \thr@@
318 \else \z@
319 \ifnum \@lastchclass = 10 \else
320 \edef\@nextchar{\expandafter\string\@nextchar}%
321 \@chnum
322 \if \@nextchar c\z@ \else
323 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
324 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
325 \z@ \@chclass
326 \if \@nextchar |\@ne \else
327 \if \@nextchar !6 \else
328 \if \@nextchar @7 \else
329 \if \@nextchar <8 \else
330 \if \@nextchar >9 \else
331 10
332 \@chnum
333 \if \@nextchar m\thr@@\else
334 \if \@nextchar p4 \else
335 \if \@nextchar b5 \else
336 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi
337 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
338 \def\@tabular{\if@RTL\@RTLtabtrue\fi%
339 \leavevmode
340 \hbox\bgroup\if@RTLtab\beginR \fi $\col@sep\tabcolsep \let\dollarbegin\beginR

```



```

341 \let\d@llarend\endgroup
342 \@tabarray}
343 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
344 \expandafter\let\csname endtabular*\endcsname=\endtabular
345 \def\@array[#1]#2{%
346   \@tempdima \ht \strutbox
347   \advance \@tempdima by\extrarowheight
348   \setbox \@arstrutbox \hbox{\vrule
349     \@height \arraystretch \@tempdima
350     \@depth \arraystretch \dp \strutbox
351     \@width \z@}%
352   \begingroup
353   \mkpream{#2}%
354   \xdef\@preamble{\noexpand \ialign \@halignto
355     \bgroup \@arstrut \@preamble
356     \tabskip \z@ \cr}%
357   \endgroup
358   \@arrayleft
359   \if #1t\top \else \if#1b\box \else \vcenter \fi \fi
360   \bgroup
361   \let \@sharp ##\let \protect \relax
362   \lineskip \z@
363   \baselineskip \z@
364   \m@th
365   \let\\\@arraycr \let\tabularnewline\\\let\par\@empty \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup
366   \def\@tabarray{\@ifnextchar[{\@array}{\@array[c]}}
367   \def\endarray{\crrc \egroup\if@RTLtab\egroup\endR\egroup\fi \egroup \@arrayright \gdef\@preambl
368   \def\array{\col@sep\arraycolsep
369     \def\d@llarbegin{$}\let\d@llarend\d@llarbegin\gdef\@halignto{}}%
370   \@RTLtabfalse\@tabarray}

```

7.8 article-xetex-bidi.def

```

371 \ProvidesFile{article-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for standard article clas
372 \if@titlepage
373   \renewcommand\maketitle{\begin{titlepage}%
374     \let\footnotesize\small
375     \let\right@footnoterule\relax
376     \let\left@footnoterule\relax
377     \let\textwidth@footnoterule\relax
378     \let \footnote \thanks
379     \let \LTRfootnote \LTRthanks
380     \let \RTLfootnote \RTLthanks
381     \null\vfil
382     \vskip 60\p@
383     \begin{center}%
384       {\LARGE \@title \par}%
385       \vskip 3em%
386       {\large
387         \lineskip .75em%

```



```

388     \begin{tabular}[t]{c}%
389         \@author
390     \end{tabular}\par}%
391     \vskip 1.5em%
392     {\large \@date \par}%           % Set date in \large size.
393 \end{center}\par
394 \@thanks
395 \vfil\null
396 \end{titlepage}%
397 \setcounter{footnote}{0}%
398 \global\let\thanks\relax
399 \global\let\LTRthanks\relax
400 \global\let\RTLthanks\relax
401 \global\let\maketitle\relax
402 \global\let\@thanks\@empty
403 \global\let\@author\@empty
404 \global\let\@date\@empty
405 \global\let\@title\@empty
406 \global\let\title\relax
407 \global\let\author\relax
408 \global\let\date\relax
409 \global\let\and\relax
410 }
411 \else
412 \renewcommand\maketitle{\par
413     \begingroup
414         \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
415         \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
416         \long\def\@makefntext##1{\parindent 1em\noindent
417             \hb@xt@1.8em{%
418                 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
419         \if@twocolumn
420             \ifnum \col@number=\@ne
421                 \@maketitle
422             \else
423                 \twocolumn[\@maketitle]%
424             \fi
425         \else
426             \newpage
427             \global\@topnum\z@    % Prevents figures from going at top of page.
428             \@maketitle
429         \fi
430         \thispagestyle{plain}\@thanks
431     \endgroup
432     \setcounter{footnote}{0}%
433     \global\let\thanks\relax
434     \global\let\LTRthanks\relax
435     \global\let\RTLthanks\relax
436     \global\let\maketitle\relax
437     \global\let\@maketitle\relax

```



```

438 \global\let\@thanks\@empty
439 \global\let\@author\@empty
440 \global\let\@date\@empty
441 \global\let\@title\@empty
442 \global\let\title\relax
443 \global\let\author\relax
444 \global\let\date\relax
445 \global\let\and\relax
446 }
447 \def\@maketitle{%
448 \newpage
449 \null
450 \vskip 2em%
451 \begin{center}%
452 \let \footnote \thanks
453 \let \LTRfootnote \LTRthanks
454 \let \RTLfootnote \RTLthanks
455 {\LARGE \@title \par}%
456 \vskip 1.5em%
457 {\large
458 \lineskip .5em%
459 \begin{tabular}[t]{c}%
460 \@author
461 \end{tabular}\par}%
462 \vskip 1em%
463 {\large \@date}%
464 \end{center}%
465 \par
466 \vskip 1.5em}
467 \fi
468 \renewcommand*\l@part[2]{%
469 \ifnum \c@tocdepth >-2\relax
470 \addpenalty\@secpenalty
471 \addvspace{2.25em \@plus\p@}%
472 \setlength\@tempdima{3em}%
473 \begin{group}
474 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
475 \parfillskip -\@pnumwidth
476 {\leavevmode
477 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
478 \nobreak
479 \if@compatibility
480 \global\@nobreaktrue
481 \everypar{\global\@nobreakfalse\everypar{}}%
482 \fi
483 \endgroup
484 \fi}
485 \renewcommand*\l@section[2]{%
486 \ifnum \c@tocdepth >\z@
487 \addpenalty\@secpenalty

```



```

488 \addvspace{1.0em \@plus\p@}%
489 \setlength\tempdima{1.5em}%
490 \beginngroup
491 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
492 \parfillskip -\@pnumwidth
493 \leavevmode \bfseries
494 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
495 \hskip -\if@RTL\rightskip\else\leftskip\fi
496 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
497 \endgroup
498 \fi}
499 \renewcommand\left@footnoterule{%
500 \kern-3\p@
501 \hrule\@width.4\columnwidth
502 \kern2.6\p@}
503 \renewcommand\right@footnoterule{%
504 \hbox to \columnwidth
505 {\beginR \vbox{%
506 \kern-3\p@
507 \hrule\@width.4\columnwidth
508 \kern2.6\p@\hfil\endR}}
509 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
510 \renewcommand\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
511 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
512 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
513 \def\@part[#1]#2{%
514 \ifnum \c@secnumdepth >\m@ne
515 \refstepcounter{part}%
516 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
517 \else
518 \addcontentsline{toc}{part}{#1}%
519 \fi
520 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
521 \interlinepenalty \@M
522 \normalfont
523 \ifnum \c@secnumdepth >\m@ne
524 \Large\bfseries \partname\nobreakspace\thepart
525 \par\nobreak
526 \fi
527 \huge \bfseries #2%
528 \markboth{}{}\par}%
529 \nobreak
530 \vskip 3ex
531 \@afterheading}
532 \renewenvironment{thebibliography}[1]
533 {\section*{\refname}%
534 \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
535 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
536 \list{\@biblabel{\@arabic\c@enumiv}}%
537 {\settowidth\labelwidth{\@biblabel{#1}}%

```



```

538         \leftmargin\labelwidth
539         \advance\leftmargin\labelsep
540         \@openbib@code
541         \usecounter{enumiv}%
542         \let\p@enumiv\@empty
543         \renewcommand\theenumiv{\@arabic\c@enumiv}}}%
544     \sloppy
545     \clubpenalty4000
546     \@clubpenalty \clubpenalty
547     \widowpenalty4000%
548     \sfcode`\.\@m}
549     {\def\@noitemerr
550      {\@latex@warning{Empty `thebibliography' environment}}}%
551     \endlist}
552 \renewenvironment{theindex}
553     {\if@twocolumn
554      \@restonecolfalse
555      \else
556      \@restonecoltrue
557      \fi
558      \columnseprule \z@
559      \columnsep 35\p@
560      \twocolumn[\section*{\indexname}]}%
561      \@mkboth{\MakeUppercase\indexname}%
562              {\MakeUppercase\indexname}%
563      \thispagestyle{plain}\parindent\z@
564      \parskip\z@ \@plus .3\p@\relax
565      \let\item\@idxitem}
566      {\if@restonecol\onecolumn\else\clearpage\fi}

```

7.9 artikel1-xetex-bidi.def

```

567 \ProvidesFile{artikel1-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for artikel1 class for Xe
568 \renewenvironment{theindex}{%
569   \if@twocolumn
570     \@restonecolfalse
571   \else
572     \@restonecoltrue
573   \fi
574   \columnseprule \z@
575   \columnsep 35\p@
576   \twocolumn[\section*{\indexname}]}%
577   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
578   \thispagestyle{plain}\parindent\z@
579   \parskip\z@ \@plus .3\p@\relax
580   \let\item\@idxitem
581   }{%
582   \if@restonecol\onecolumn\else\clearpage\fi}
583 \renewcommand*\head@style{%
584   \interlinepenalty \@M

```




```

585 \hyphenpenalty=\@M \exhyphenpenalty=\@M
586 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
587 \if@titlepage
588 \renewenvironment{abstract}{%
589 \titlepage
590 \null\vfil
591 \section*{\SectFont\abstractname}
592 \noindent\ignorespaces}
593 {\par\vfil\null\endtitlepage}
594 \else
595 \renewenvironment{abstract}{%
596 \if@twocolumn
597 \section*{\abstractname}%
598 \else
599 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
600 \section*{\small\SectFont\abstractname}%
601 \noindent\ignorespaces
602 \fi}
603 {\if@twocolumn\else\par\egroup\fi}
604 \fi
605 \renewcommand*\@regtocline[3]{%
606 \ifnum #1>\c@tocdepth
607 \else
608 \vskip\z@ \@plus.2\p@
609 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
610 \if@RTL\rightskip\else\leftskip\fi\unitindent
611 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
612 \parfillskip\z@
613 \@tempdima\unitindent
614 \parindent\z@
615 \leavevmode
616 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
617 \hskip 1em \nobreak{\slshape #3}\par
618 }%
619 \fi}
620 \if@oldtoc
621 \renewcommand*\l@part[2]{%
622 \ifnum \c@tocdepth >-2\relax
623 \addpenalty\@secpenalty
624 \addvspace{2.25em \@plus\p@}%
625 \begingroup
626 \setlength\@tempdima{3em}%
627 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
628 \parfillskip -\@pnumwidth
629 {\leavevmode
630 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
631 \nobreak
632 \if@compatibility
633 \global\@nobreaktrue
634 \everypar{\global\@nobreakfalse\everypar{}}%

```



```

635     \fi
636   \endgroup
637 \fi}
638 \else
639   \renewcommand*\l@part{%
640     \ifnum \c@tocdepth >-2\relax
641       \addpenalty\@secpenalty
642       \addvspace{2.25em \@plus \p@}%
643       \@regtocline{0}%
644     \fi}
645 \fi
646 \if@oldtoc
647 \renewcommand*\l@section[2]{%
648   \addpenalty\@secpenalty
649   \addvspace{1.0em \@plus \p@}%
650   \setlength\@tempdima{1.5em}%
651   \begingroup
652   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
653   \parfillskip -\@pnumwidth
654   \leavevmode \bfseries
655   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
656   \hskip -\if@RTL\rightskip\else\leftskip\fi
657   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
658   \endgroup}
659 \else
660   \renewcommand*\l@section{\@regtocline{1}}
661 \fi
662 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
663 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
664 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
665 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
666 \renewenvironment{thebibliography}[1]
667   {\section*\refname}%
668   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
669   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
670   \list{\@biblabel{\@arabic\c@enumiv}}%
671     {\settowidth\labelwidth{\@biblabel{#1}}%
672     \leftmargin\labelwidth
673     \advance\leftmargin\labelsep
674     \@openbib@code
675     \usecounter{enumiv}%
676     \let\p@enumiv\@empty
677     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
678   \sloppy\clubpenalty4000\widowpenalty4000%
679   \sfcode`\.\@m}
680   {\def\@noitemerr
681     {\@latex@warning{Empty `thebibliography' environment}}%
682     \endlist}
683 \renewcommand*\left@footnoterule{%
684   \kern-3\p@

```



```

685 \kern.5\baselineskip
686 \hrule\@width\unitindent
687 \kern.4\baselineskip
688 }
689 \renewcommand*\right@footnoterule{%
690 \hbox to \columnwidth
691 {\beginR \vbox{%
692 \kern-3\p@
693 \kern.5\baselineskip
694 \hrule\@width\unitindent
695 \kern.4\baselineskip}\hfil\endR}
696 }
697 \if@titlepage
698 \renewcommand*\TitleFont{\rmfamily}
699 \renewcommand*\maketitle{%
700 \begin{titlepage}%
701 \let\footnotesize\small
702 \let\right@footnoterule\relax
703 \let\left@footnoterule\relax
704 \let\textwidth@footnoterule\relax
705 \let \footnote \thanks
706 \long\def\@makefnmark##1{\parindent\z@
707 \def\labelitemi{\textendash}\@revlabeltrue
708 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
709 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
710 \if@compatibility\setcounter{page}{0}\fi
711 \null\vfil
712 \vskip 60\p@
713 \begin{center}%
714 \TitleFont
715 {\LARGE \def\\{\penalty -\@M}
716 \if@allcaps
717 \expandafter\uc@nothanks\@title\thanks\relax
718 \else
719 \@title
720 \fi\par}%
721 \vskip 3em%
722 {\large
723 \lineskip .75em \parindent\z@
724 \begin{tabular}[t]{c}%
725 \if@allcaps
726 \expandafter\uc@authornothanks\@author\and\relax
727 \else
728 \@author
729 \fi
730 \end{tabular}\par}%
731 \vskip 1.5em%
732 {\large
733 \if@allcaps
734 \uppercase\expandafter{\@date}%

```



```

735         \else
736         \@date
737         \fi\par}%
738     \end{center}\par
739     \@thanks
740     \vfil\null
741 \end{titlepage}%
742 \setcounter{footnote}{0}%
743 \global\let\thanks\relax
744 \global\let\maketitle\relax
745 \global\let\@thanks\@empty
746 \global\let\@author\@empty
747 \global\let\@title\@empty
748 \global\let\@date\@empty
749 \global\let\title\relax
750 \global\let\author\relax
751 \global\let\date\relax
752 \global\let\and\relax
753 }
754 \def\@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\@uc@tx}
755 \def\@authornothanks#1\and{\@nothanks#1\thanks\relax
756     \futurelet\@tempa\@uc@ax}
757 \def\@uc@ax{%
758     \ifx\@tempa\relax
759     \else
760         \\\andname \\\expandafter\@authornothanks
761     \fi}
762 \def\@uc@tx{\ifx\@tempa\relax
763     \else \expandafter\@uc@ty \fi}
764 \def\@uc@ty#1{\thanks{#1}\@nothanks}
765 \else
766 \renewcommand*\maketitle{\par
767     \begin{group}
768     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
769     \def\@makefnmark{\rlap{%
770         \@textsuperscript{\normalfont\@thefnmark}}}%
771     \long\def\@makefntext{\@xmakefntext{%
772         \@textsuperscript{\normalfont\@thefnmark}}}%
773     \if@twocolumn
774         \ifnum \col@number=\@ne
775             \@maketitle
776         \else
777             \twocolumn[\@maketitle]%
778         \fi
779     \else
780         \newpage
781         \global\@topnum\z@
782         \@maketitle
783     \fi
784     \thispagestyle{plain}\@thanks

```



```

785 \endgroup
786 \setcounter{footnote}{0}%
787 \global\let\thanks\relax
788 \global\let\maketitle\relax
789 \global\let\@maketitle\relax
790 \global\let\@thanks\@empty
791 \global\let\@author\@empty
792 \global\let\@title\@empty
793 \global\let\@date\@empty
794 \global\let\title\relax
795 \global\let\author\relax
796 \global\let\date\relax
797 \global\let\and\relax
798 }
799 \def\@maketitle{%
800 \newpage
801 \null
802 \vskip 2em%
803 \begin{center}%
804 \let \footnote \thanks
805 {\LARGE \TitleFont \@title \par}%
806 \vskip 1.5em%
807 {\large \TitleFont
808 \lineskip .5em%
809 \begin{tabular}[t]{c}%
810 \@author
811 \end{tabular}\par}%
812 \vskip 1em%
813 {\large \TitleFont \@date}%
814 \end{center}%
815 \par
816 \vskip 1.5em}
817 \fi

```

7.10 artikel2-xetex-bidi.def

```

818 \ProvidesFile{artikel2-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for artikel2 class for Xe
819 \renewenvironment{theindex}{%
820 \if@twocolumn
821 \@restonecolfalse
822 \else
823 \@restonecoltrue
824 \fi
825 \columnseprule \z@
826 \columnsep 35\p@
827 \twocolumn[\section*{\indexname}]{%
828 \mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
829 \thispagestyle{plain}\parindent\z@
830 \parskip\z@ \@plus .3\p@\relax
831 \let\item\@idxitem

```



```

832 }{%
833 \if@restonecol\onecolumn\else\clearpage\fi}
834 \renewcommand*\@regtocline[3]{%
835 \ifnum #1>\c@tocdepth
836 \else
837 \vskip\z@ \@plus.2\p@
838 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
839 \if@RTL\righskip\else\leftskip\fi\unitindent
840 \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
841 \parfillskip\z@
842 \@tempdima\unitindent
843 \advance\@tempdima by \othermargin
844 \parindent\z@
845 \leavevmode
846 \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
847 \hskip 1em \nobreak{\slshape #3}\par
848 }%
849 \fi}
850 \if@oldtoc
851 \renewcommand*\l@section[2]{%
852 \addpenalty\@secpenalty
853 \addvspace{1.0em \@plus\p@}%
854 \setlength\@tempdima{1.5em}%
855 \begingroup
856 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
857 \parfillskip -\@pnumwidth
858 \leavevmode \bfseries
859 \advance\if@RTL\righskip\else\leftskip\fi\@tempdima
860 \hskip -\if@RTL\righskip\else\leftskip\fi
861 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
862 \endgroup}
863 \else
864 \renewcommand*\l@section{\@regtocline{1}}
865 \fi
866 \if@oldtoc
867 \renewcommand*\l@part[2]{%
868 \ifnum \c@tocdepth >-2\relax
869 \addpenalty\@secpenalty
870 \addvspace{2.25em \@plus\p@}%
871 \begingroup
872 \setlength\@tempdima{3em}%
873 \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth
874 \parfillskip -\@pnumwidth
875 {\leavevmode
876 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
877 \nobreak
878 \if@compatibility
879 \global\@nobreaktrue
880 \everypar{\global\@nobreakfalse\everypar{}}}%
881 \fi

```



```

882 \endgroup
883 \fi}
884 \else
885 \renewcommand*\l@part{%
886 \ifnum \c@tocdepth >-2\relax
887 \addpenalty\@secpenalty
888 \addvspace{2.25em \@plus \p@}%
889 \@regtocline{0}%
890 \fi}
891 \fi
892 \renewcommand*\head@style{%
893 \interlinepenalty \@M
894 \hyphenpenalty=\@M \exhyphenpenalty=\@M
895 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
896 \if@titlepage
897 \renewenvironment{abstract}{%
898 \titlepage
899 \null\vfil
900 \section*\SectFont\abstractname}%
901 \noindent\ignorespaces}
902 {\par\vfil\null\endtitlepage}
903 \else
904 \renewenvironment{abstract}{%
905 \if@twocolumn
906 \section*\abstractname}%
907 \else
908 \section*\hskip\unitindent\small\SectFont\abstractname}%
909 \list{}\setlength\listparindent{\unitindent}%
910 \setlength\parindent {\z@}%
911 \setlength\leftmargin {\unitindent}%
912 \setlength\rightmargin {\unitindent}%
913 \setlength\parsep {\z@}%
914 \item[]%
915 \fi}
916 {\if@twocolumn\else\par\endlist\fi}
917 \fi
918 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
919 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
920 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
921 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
922 \renewcommand*\left@footnoterule{%
923 \kern-3\p@
924 \hrule\@width 3\unitindent
925 \kern 2.6\p@
926 }
927 \renewcommand*\right@footnoterule{%
928 \hbox to \columnwidth
929 {\beginR \vbox{%
930 \kern-3\p@
931 \hrule\@width 3\unitindent

```



```

932 \kern 2.6\p@}\hfil\endR}
933 }
934 \renewenvironment{thebibliography}[1]
935     {\section*{\refname}%
936      \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
937      \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
938      \list{\@biblabel{\@arabic\c@enumiv}}%
939          {\settowidth\labelwidth{\@biblabel{#1}}%
940           \leftmargin\labelwidth
941           \advance\leftmargin\labelsep
942           \@openbib@code
943           \usecounter{enumiv}%
944           \let\p@enumiv\@empty
945           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
946      \sloppy\clubpenalty4000\widowpenalty4000%
947      \sfcode`..\@m}
948      {\def\@noitemerr
949       {\@latex@warning{Empty `thebibliography' environment}}}%
950      \endlist}
951 \if@titlepage
952 \renewcommand*{\TitleFont}{\rmfamily}
953 \renewcommand*{\maketitle}{%
954 \begin{titlepage}%
955     \let\footnotesize\small
956     \let\right@footnoterule\relax
957     \let\left@footnoterule\relax
958     \let\textwidth\footnoterule\relax
959     \let \footnote \thanks
960     \long\def\@makefntext##1{\parindent\z@
961       \def\labelitemi{\textendash}\@revlabeltrue
962       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
963     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
964     \if@compatibility\setcounter{page}{0}\fi
965     \null\vfil
966     \vskip 60\p@
967     \begin{center}%
968       \TitleFont
969       {\LARGE \def\\{\penalty -\@M}
970        \if@allcaps
971          \expandafter\uc@nothanks\@title\thanks\relax
972        \else
973          \@title
974          \fi\par}%
975       \vskip 3em%
976     {\large
977      \lineskip .75em \parindent\z@
978      \begin{tabular}[t]{c}%
979        \if@allcaps
980          \expandafter\uc@authornothanks\@author\and\relax
981        \else

```




```

982         \@author
983         \fi
984     \end{tabular}\par}%
985     \vskip 1.5em%
986     {\large
987     \if@allcaps
988     \uppercase\expandafter{\@date}%
989     \else
990     \@date
991     \fi\par}%
992 \end{center}\par
993 \@thanks
994 \vfil\null
995 \end{titlepage}%
996 \setcounter{footnote}{0}%
997 \global\let\thanks\relax
998 \global\let\maketitle\relax
999 \global\let\@thanks\@empty
1000 \global\let\@author\@empty
1001 \global\let\@title\@empty
1002 \global\let\@date\@empty
1003 \global\let\title\relax
1004 \global\let\author\relax
1005 \global\let\date\relax
1006 \global\let\and\relax
1007 }
1008 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1009 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1010 \futurelet\@tempa\uc@ax}
1011 \def\uc@ax{%
1012 \ifx\@tempa\relax
1013 \else
1014 \\\andname \\\expandafter\uc@authornothanks
1015 \fi}
1016 \def\uc@tx{\ifx\@tempa\relax
1017 \else \expandafter\uc@ty \fi}
1018 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1019 \else
1020 \renewcommand*\maketitle{\par
1021 \begingroup
1022 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1023 \long\def\@makefnintext##1{\parindent\z@
1024 \def\labelitemi{\textendash}%
1025 \leavevmode\hb@xt@.5\unitindent{%
1026 \@textsuperscript{\normalfont\@thefnmark}\hfil}##1}
1027 \if@twocolumn
1028 \ifnum \col@number=\@ne
1029 \@maketitle
1030 \else
1031 \twocolumn[\@maketitle]%

```



```

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

```

7.11 artikel3-xetex-bidi.def

```

1072 \ProvidesFile{artikel3-xetex-bidi.def}[2011/08/26 v0.3 bidi adaptations for artikel3 class for Xe
1073 \renewenvironment{theindex}{%
1074     \if@twocolumn
1075         \@restonecolfalse
1076     \else
1077         \@restonecoltrue
1078     \fi

```



```

1079 \columnseprule \z@
1080 \columnsep 35\p@
1081 \twocolumn[\section*{\indexname}]%
1082 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
1083 \thispagestyle{plain}\parindent\z@
1084 \parskip\z@ \@plus .3\p@\relax
1085 \let\item\@idxitem
1086 }{%
1087 \if@restonecol\onecolumn\else\clearpage\fi}
1088 \renewcommand*\head@style{%
1089 \interlinepenalty \@M
1090 \hyphenpenalty=\@M \exhyphenpenalty=\@M
1091 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
1092 \renewcommand*\@regtocline[3]{%
1093 \ifnum #1>\c@tocdepth
1094 \else
1095 \vskip\z@ \@plus .2\p@
1096 {\hangindent\z@ \@afterindenttrue \interlinepenalty \@M
1097 \if@RTL\rightskip\else\leftskip\fi\unitindent
1098 \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
1099 \parfillskip\z@
1100 \@tempdima\unitindent
1101 \parindent\z@
1102 \leavevmode
1103 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
1104 \hskip 1em \nobreak{\slshape #3}\par
1105 }%
1106 \fi}
1107 \if@oldtoc
1108 \renewcommand*\l@part[2]{%
1109 \ifnum \c@tocdepth >-2\relax
1110 \addpenalty\@secpenalty
1111 \addvspace{2.25em \@plus\p@}%
1112 \begingroup
1113 \setlength\@tempdima{3em}%
1114 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1115 \parfillskip -\@pnumwidth
1116 {\leavevmode
1117 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
1118 \nobreak
1119 \if@compatibility
1120 \global\@nobreaktrue
1121 \everypar{\global\@nobreakfalse\everypar{}}%
1122 \fi
1123 \endgroup
1124 \fi}
1125 \else
1126 \renewcommand*\l@part{%
1127 \ifnum \c@tocdepth >-2\relax
1128 \addpenalty\@secpenalty

```



```

1129     \addvspace{2.25em \@plus \p@}%
1130     \@regtocline{0}%
1131   \fi}
1132 \fi
1133
1134 \if@oldtoc
1135 \renewcommand*{\l@section[2]{%
1136   \addpenalty\@secpenalty
1137   \addvspace{1.0em \@plus \p@}%
1138   \setlength{\@tempdima}{1.5em}%
1139   \begingroup
1140   \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
1141   \parfillskip -\@pnumwidth
1142   \leavevmode \bfseries
1143   \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
1144   \hskip -\if@RTL\rightskip\else\leftskip\fi
1145   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
1146   \endgroup}
1147 \else
1148 \renewcommand*{\l@section{\@regtocline{1}}
1149 \fi
1150 \if@titlepage
1151 \renewenvironment{abstract}{%
1152   \titlepage
1153   \null\vfil
1154   \section*{\SectFont\abstractname}%
1155   \noindent\ignorespaces
1156   {\par\vfil\null\endtitlepage}
1157 \else
1158 \renewenvironment{abstract}{%
1159   \if@twocolumn
1160     \section*{\abstractname}%
1161   \else
1162     \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
1163     \section*{\small\SectFont\abstractname}%
1164     \noindent\ignorespaces
1165   \fi}
1166   {\if@twocolumn\else\par\egroup\fi}
1167 \fi
1168 \renewcommand*{\left@footnoterule{%
1169   \kern-3\p@
1170   \kern.5\baselineskip
1171   \hrule\@width\unitindent
1172   \kern.4\baselineskip
1173 }
1174 \renewcommand*{\right@footnoterule{%
1175   \hbox to \columnwidth
1176   {\beginR \vbox{%
1177     \kern-3\p@
1178     \kern.5\baselineskip

```



```

1179 \hrule\@width\unitindent
1180 \kern.4\baselineskip}\hfil\endR}
1181 }
1182 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@section}
1183 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
1184 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
1185 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
1186 \renewenvironment{thebibliography}[1]
1187   {\section*\refname}%
1188   \@mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}%
1189   \ifRTL\if@LTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
1190   \list{\@biblabel{\@arabic\c@enumiv}}%
1191     {\settowidth\labelwidth{\@biblabel{#1}}%
1192     \leftmargin\labelwidth
1193     \advance\leftmargin\labelsep
1194     \@openbib@code
1195     \usecounter{enumiv}%
1196     \let\p@enumiv\@empty
1197     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
1198   \sloppy\clubpenalty4000\widowpenalty4000%
1199   \sfcode`\.\@m}
1200   {\def\@noitemerr
1201     {\@latex@warning{Empty `thebibliography' environment}}%
1202     \endlist}
1203 \if@titlepage
1204 \renewcommand*\TitleFont{\rmfamily}
1205 \renewcommand*\maketitle{%
1206   \begin{titlepage}%
1207     \let\footnotesize\small
1208     \let\right@footnoterule\relax
1209     \let\left@footnoterule\relax
1210     \let\textwidth\footnoterule\relax
1211     \let\footnote\thanks
1212     \long\def\@makefnmark{\parindent\z@
1213       \def\labelitemi{\textendash}\@revlabeltrue
1214       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
1215     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1216     \if@compatibility\setcounter{page}{0}\fi
1217     \null\vfil
1218     \vskip 60\p@
1219     \begin{center}%
1220       \TitleFont
1221       {\LARGE \def\{\{\penalty -\@M}
1222         \if@allcaps
1223           \expandafter\uc@nothanks\@title\thanks\relax
1224         \else
1225           \@title
1226           \fi\par}%
1227       \vskip 3em%
1228       {\large

```



```

1229     \lineskip .75em \parindent\z@
1230     \begin{tabular}[t]{c}%
1231         \if@allcaps
1232             \expandafter\uc@authornothanks \@author\and\relax
1233         \else
1234             \@author
1235         \fi
1236     \end{tabular}\par}%
1237     \vskip 1.5em%
1238     {\large
1239         \if@allcaps
1240             \uppercase\expandafter{\@date}%
1241         \else
1242             \@date
1243         \fi\par}%
1244     \end{center}\par
1245     \@thanks
1246     \vfil\null
1247 \end{titlepage}%
1248 \setcounter{footnote}{0}%
1249 \global\let\thanks\relax
1250 \global\let\maketitle\relax
1251 \global\let\@thanks\@empty
1252 \global\let\@author\@empty
1253 \global\let\@title\@empty
1254 \global\let\@date\@empty
1255 \global\let\title\relax
1256 \global\let\author\relax
1257 \global\let\date\relax
1258 \global\let\and\relax
1259 }
1260 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
1261 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
1262     \futurelet\@tempa\uc@ax}
1263 \def\uc@ax{%
1264     \ifx\@tempa\relax
1265     \else
1266         \ \ \andname \ \ \expandafter\uc@authornothanks
1267     \fi}
1268 \def\uc@tx{\ifx\@tempa\relax
1269     \else \expandafter\uc@ty \fi}
1270 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
1271 \else
1272 \renewcommand*\maketitle{\par
1273     \begingroup
1274         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
1275         \def\@makefnmark{\rlap{%
1276             \@textsuperscript{\normalfont\@thefnmark}}}%
1277         \long\def\@makefntext{\@xmakefntext{%
1278             \@textsuperscript{\normalfont\@thefnmark}}}%

```



```

1279 \if@twocolumn
1280 \ifnum \col@number=\@ne
1281 \maketitle
1282 \else
1283 \twocolumn[\maketitle]%
1284 \fi
1285 \else
1286 \newpage
1287 \global\@topnum\z@
1288 \maketitle
1289 \fi
1290 \thispagestyle{plain}\@thanks
1291 \endgroup
1292 \setcounter{footnote}{0}%
1293 \global\let\thanks\relax
1294 \global\let\maketitle\relax
1295 \global\let\@maketitle\relax
1296 \global\let\@thanks\@empty
1297 \global\let\@author\@empty
1298 \global\let\@title\@empty
1299 \global\let\@date\@empty
1300 \global\let\title\relax
1301 \global\let\author\relax
1302 \global\let\date\relax
1303 \global\let\and\relax
1304 }
1305 \def\@maketitle{%
1306 \newpage
1307 \null
1308 \vskip 2em%
1309 \if@titlecentered
1310 \begin{center}%
1311 \let \footnote \thanks
1312 {\LARGE \TitleFont \@title \par}%
1313 \vskip 1.5em%
1314 {\large \TitleFont
1315 \lineskip .5em%
1316 \begin{tabular}[t]{c}%
1317 \@author
1318 \end{tabular}\par}%
1319 \vskip 1em%
1320 {\large \TitleFont \@date}%
1321 \end{center}%
1322 \else
1323 {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
1324 {\large \TitleFont \lineskip .5em \tabcolsep\z@
1325 \def\and{%% \begin{tabular} has already started
1326 \end{tabular}\hskip 1em plus .17fil
1327 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
1328 \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi\@author\end{tabular}\par}

```



```

1329 \vskip 1em {\large \TitleFont \@date}
1330 \fi
1331 \par
1332 \vskip 1.5em}
1333 \fi

```

7.12 arydshln-xetex-bidi.def

```

1334 \ProvidesFile{arydshln-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for arydshln package for
1335 \def\endarray{\adl@endarray \egroup \adl@arrayrestore \if@RTLtab\egroup\endR\egroup\fi\egroup}
1336 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup\@RTLtabfalse}
1337 \expandafter\let\csname endtabular*\endcsname\endtabular
1338 \let\adl@array\@array
1339 \def\@array{\adl@everyvbox\everyvbox
1340 \everyvbox{\adl@arrayinit \the\adl@everyvbox \everyvbox\adl@everyvbox}%
1341 \ifadl@inactive \adl@inactivate \else \adl@activate \fi
1342 \let\adl@noalign\noalign
1343 \adl@array}
1344 \ifadl@usingarypkg
1345 \def\@testpach{\@chclass
1346 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1347 \ifnum \@lastchclass=7 5 \else
1348 \ifnum \@lastchclass=8 \tw@ \else
1349 \ifnum \@lastchclass=9 \thr@@
1350 \else \z@
1351 \ifnum \@lastchclass = 10 \else
1352 \edef\@nextchar{\expandafter\string\@nextchar}%
1353 \@chnum
1354 \if \@nextchar c\z@ \else
1355 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1356 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1357 \z@ \@chclass
1358 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1359 \if \@nextchar : \@ne \let\@arrayrule\adl@arraydashrule \else
1360 \if \@nextchar ; \@ne \let\@arrayrule\adl@argarraydashrule \else
1361 \if \@nextchar !6 \else
1362 \if \@nextchar @7 \else
1363 \if \@nextchar <8 \else
1364 \if \@nextchar >9 \else
1365 10
1366 \@chnum
1367 \if \@nextchar m\thr@@\else
1368 \if \@nextchar p4 \else
1369 \if \@nextchar b5 \else
1370 \z@ \@chclass \z@ \preamerr \z@ \fi \fi \fi \fi \fi \fi
1371 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1372
1373 \def\@classz{\@classx
1374 \count@ \tempcnta \count@
1375 \prepnext@tok

```




```

1376 \@addtopreamble{\ifcase \@chnum
1377 \hfil
1378 \adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
1379 \hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\hfil \or
1380 \hfil\hskip1sp\adl@putlrc{\dollarbegin \insert@column \dollarend}\or
1381 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1382 \adl@endmbox\or
1383 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1384 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1385 \fi}\prepnext@tok}
1386 \def\adl@class@start{4}
1387 \def\adl@class@iiiorvii{7}
1388
1389 \else
1390 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1391 \ifnum \@lastchclass=\thr@@ 5\relax \else
1392 \z@ \if #1c\@chnum \z@ \else
1393 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1394 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1395 \@chclass
1396 \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1397 \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1398 \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1399 \if #1@\tw@ \else
1400 \if #1p\thr@@ \else \z@ \@preamerr 0\fi
1401 \fi \fi \fi \fi \fi \fi \fi \fi \fi}
1402
1403 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1404 \or \or \@addamp \or
1405 \@acolampacol \or \@firststampfalse \@acol \fi
1406 \edef\@preamble{\@preamble
1407 \ifcase \@chnum
1408 \hfil\adl@putlrc{$\relax\@sharp$}\hfil
1409 \or \adl@putlrc{$\relax\@sharp$}\hfil
1410 \or \hfil\adl@putlrc{$\relax\@sharp$}\fi}}
1411 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1412 \or \or \@addamp \or
1413 \@acolampacol \or \@firststampfalse \@acol \fi
1414 \edef\@preamble{\@preamble
1415 \ifcase \@chnum
1416 \hfil\adl@putlrc{\@sharp\unskip}\hfil
1417 \or \adl@putlrc{\@sharp\unskip}\hfil
1418 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1419 \def\adl@class@start{6}
1420 \def\adl@class@iiiorvii{3}
1421 \fi
1422 \@ifpackageloaded{colortbl}{%
1423 \def\adl@inactivate{\adl@org@inactivate \let\CT@setup\adl@CT@setup}
1424 \def\adl@activate{\adl@org@activate \let\CT@setup\adl@act@CT@setup
1425 \let\@endpbox\adl@org@endpbox}

```



```

1426 \let\adl@CT@setup\CT@setup
1427 \def\CT@setup{\adl@CT@setup
1428     \@tempdima\ht\z@ \advance\@tempdima\minrowclearance
1429     \ifdim\adl@height<\@tempdima \global\adl@height\@tempdima \fi
1430     \ifdim\adl@depth<\dp\z@ \global\adl@depth\dp\z@\fi}
1431 \let\adl@act@CT@setup\CT@setup
1432 \def\@classz{\@classx
1433     \@tempcnta\count@ \prepnext@tok
1434     \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
1435     \expandafter\adl@extract@arc\the\toks\@tempcnta\arrayrulecolor!\@nil
1436     \expandafter\adl@extract@drsc
1437     \the\toks\@tempcnta\doublerulesepcolor!\@nil
1438     \expandafter\adl@extract@dgc\the\toks\@tempcnta\dashgapcolor!\@nil
1439     \@addtopreamble{\if@RTL\beginL\fi%
1440         \setbox\z@\hbox\bgroup\bgroup\if@RTL\beginR\fi
1441         \ifcase \@chnum
1442             \hskip\stretch{.5}\kern\z@
1443             \d@llarbegin
1444             \insert@column
1445             \d@llarend\hskip\stretch{.5}%
1446         \or \d@llarbegin \insert@column \d@llarend \hfill
1447         \or \hfill \kern\z@ \d@llarbegin \insert@column \d@llarend
1448         \or $\vcenter
1449             \@startpbox{\@nextchar}\insert@column \@endpbox $%
1450         \or \vtop \@startpbox{\@nextchar}\insert@column \@endpbox
1451         \or \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1452         \fi
1453         \if@RTL\endR\fi\egroup\egroup
1454         \begingroup
1455             \CT@setup
1456             \CT@column@color
1457             \CT@row@color
1458             \CT@cell@color
1459             \CT@do@color
1460         \endgroup
1461         \@tempdima\ht\z@
1462         \advance\@tempdima\minrowclearance
1463         \vrule\@height\@tempdima\@width\z@
1464         \unhbox\z@\if@RTL\endL\fi}%
1465     \prepnext@tok}
1466 \let\adl@act@classz\@classz
1467 \let\adl@org@classz\@classz
1468 }{}

```

7.13 bidi.sty

```

1469 \NeedsTeXFormat{LaTeX2e}
1470 \def\bididate{2015/02/01}
1471 \def\bidiversion{v16.5}
1472 \ProvidesPackage{bidi}[\bididate\space \bidiversion\space

```



```

1473 Bidirectional typesetting in plain TeX and LaTeX]
1474 \edef\@bidi@info{*****^^J%
1475 * ^^J%
1476 * bidi package (Bidirectional typesetting in^^J%
1477 * plain TeX and LaTeX, using XeTeX engine)^^J%
1478 * ^^J%
1479 * Description: A convenient interface for^^J%
1480 * typesetting bidirectional texts in plain TeX^^J%
1481 * and LaTeX. The package includes adaptations^^J%
1482 * for use with many other commonly-used packages.^^J%
1483 * ^^J%
1484 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1485 * ^^J%
1486 * \bididate, \bidiversion^^J%
1487 * ^^J%
1488 * License: LaTeX Project Public License, version^^J%
1489 * 1.3c or higher (your choice)^^J%
1490 * ^^J%
1491 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1492 * ^^J%
1493 * Issue tracker: https://github.com/persian-tex/bidi/issues^^J%
1494 * ^^J%
1495 * Support: persian-tex@tug.org^^J%
1496 *****}
1497 \typeout{\@bidi@info}
1498 \edef\bidi@everyjob{\the\everyjob}
1499 \everyjob{\bidi@everyjob\typeout{\@bidi@info}}
1500 \RequirePackage{iftex}
1501 \RequireXeTeX
1502 \RequirePackage{biditools}
1503 \RequirePackage{zref-abspage}
1504 \RequirePackage{auxhook}
1505 \RequirePackage{ltxcmds}
1506 \RequirePackage{xkeyval}
1507 \eqnewif{\if@RTLmain}{\if@rlmain}
1508 \eqnewif{\if@RTL}{\if@rl}
1509 \newif\if@Latin
1510 \eqnewif{\if@RTLtab}{\if@tab@rl}
1511 \newif\if@RTLMarginpar
1512 \newif\if@LTRmarginpar
1513 \newif\if@LTRbibitems
1514 \newif\if@RTLbibitems
1515 \newif\if@extrafootnotefeatures
1516 \newif\if@parafootRTL
1517 \newif\if@RTLcolumnfootnotes
1518 \eqnewif{\if@RTL@footnote}{\if@rl@footnote}
1519 \newif\if@bidi@list@minipage@parbox
1520 \newif\if@bidi@list@minipage@parbox@not@nob
1521 \@RTLmainfalse
1522 \AtBeginDocument{%

```



```

1523 \if@RTLmain\else
1524 \if@RTL\@RTLmaintrue%
1525 \else\@RTLmainfalse%
1526 \fi%
1527 \fi%
1528 }
1529 \let\n@xt=\
1530 \bidi@newrobustcmd*{\LRE}{\protect\pLRE}%
1531 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1532 \bidi@newrobustcmd*{\RLE}{\protect\pRLE}
1533 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1534 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1535 \errmessage{Missing left brace has been substituted}\fi \bgroup}
1536 \input{latex-xetex-bidi.def}
1537 \input{loadingorder-xetex-bidi.def}
1538 \define@choicekey{bidi.sty}{RTLdocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1539 \ifcase\bidi@tempb\relax
1540 \@RTLtrue
1541 \or
1542 \@RTLfalse
1543 \fi}
1544 \define@choicekey{bidi.sty}{rldocument}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1545 \ifcase\bidi@tempb\relax
1546 \@RTLtrue
1547 \or
1548 \@RTLfalse
1549 \fi}
1550 \define@choicekey{bidi.sty}{footnoterule}[\bidi@tempa\bidi@tempb]{automatic,left,right,split,t
1551 \ifcase\bidi@tempb\relax
1552 \autofootnoterule
1553 \or
1554 \leftfootnoterule
1555 \or
1556 \rightfootnoterule
1557 \or
1558 \SplitFootnoteRule
1559 \or
1560 \textwidthfootnoterule
1561 \fi}
1562 \define@choicekey{bidi.sty}{footnotedirection}[\bidi@tempa\bidi@tempb]{righttoleft,lefttoright
1563 \ifcase\bidi@tempb\relax
1564 \@RTL@footnotetrue
1565 \or
1566 \@RTL@footnotefalse
1567 \fi}
1568 \define@choicekey{bidi.sty}{debugfootnotedirection}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1569 \ifcase\bidi@tempb\relax
1570 \footdir@debugtrue
1571 \or
1572 \footdir@debugfalse

```



```

1573 \fi}
1574 \define@choicekey{bidi.sty}{extrafootnotefeatures}[\bidi@tempa\bidi@tempb]{on,off}[on]{%
1575 \ifcase\bidi@tempb\relax
1576 \extrafootnotefeaturestrue
1577 \or
1578 \extrafootnotefeaturesfalse
1579 \fi}
1580
1581 \ProcessOptionsX
1582
1583 \ifextrafootnotefeatures
1584 \input{extrafootnotefeatures-xetex-bidi.def}
1585 \fi

```

7.14 bidi.tex

```

1586 \def\bididate{2015/02/01}
1587 \def\bidiversion{v0.2}
1588 \catcode`\@=11
1589 \let \protect \relax
1590 \newlinechar`\^^J
1591 \edef\@bidi@info{*****^^J%
1592 * ^^J%
1593 * bidi package (Bidirectional typesetting in^^J%
1594 * plain TeX and LaTeX, using XeTeX engine)^^J%
1595 * ^^J%
1596 * Description: A convenient interface for^^J%
1597 * typesetting bidirectional texts in plain TeX^^J%
1598 * and LaTeX. The package includes adaptations^^J%
1599 * for use with many other commonly-used packages.^^J%
1600 * ^^J%
1601 * Copyright (c) 2009--2015 Vafa Khalighi^^J%
1602 * ^^J%
1603 * \bididate, \bidiversion^^J%
1604 * ^^J%
1605 * License: LaTeX Project Public License, version^^J%
1606 * 1.3c or higher (your choice)^^J%
1607 * ^^J%
1608 * Location on CTAN: /macros/xetex/latex/bidi^^J%
1609 * ^^J%
1610 * Issue tracker: https://github.com/persian-tex/bidi/issues^^J%
1611 * ^^J%
1612 * Support: persian-tex@tug.org^^J%
1613 *****}
1614 \message{\@bidi@info}
1615 \edef\bidi@everyjob{\the\everyjob}
1616 \everyjob{\bidi@everyjob\message{\@bidi@info}}
1617 \input iftex.sty
1618 \RequireXeTeX
1619 \newif\if@RTLmain

```



```

1620 \newif\if@RTL
1621 \newif\if@sendlr
1622 \newif\if@RTL@footnote
1623 \@RTLmainfalse
1624 \def\setRTLmain{%
1625   \if@RTLmain\else
1626     \if@RTL\@RTLmaintrue%
1627     \else\@RTLmainfalse%
1628     \fi%
1629   \fi%
1630 }
1631 \let\n@xt=\
1632 \protected\def\LRE{\protect\pLRE}%
1633 \def\pLRE{\protect\afterassignment\moreLRE \let\n@xt= }
1634 \protected\def\RLE{\protect\pRLE}
1635 \def\pRLE{\protect\afterassignment\moreRLE \let\n@xt= }
1636 \def\bracetext{\ifcat\n@xt{\else\ifcat\n@xt}\fi
1637   \errmessage{Missing left brace has been substituted}\fi \bgroup}
1638 \input plain-xetex-bidi.def
1639 \catcode~@=12

```

7.15 bidi2in1.sty

```

1640 \NeedsTeXFormat{LaTeX2e}
1641 \ProvidesPackage{bidi2in1}
1642 \pagestyle{plain}
1643 \newcount\evenpage
1644 \newcount\oddpge
1645 \twocolumn
1646 \def\@oddfoot{\evenpage=\thepage%
1647 \multiply\evenpage by 2%
1648 \oddpge=\the\evenpage%
1649 \advance\oddpge by -1%
1650 \hfil\the\evenpage\hfil\hfil\the\oddpge\hfil}%
1651 \def\@evenfoot{\evenpage=\thepage%
1652 \multiply\evenpage by 2%
1653 \oddpge=\the\evenpage%
1654 \advance\oddpge by -1%
1655 \hfil\the\oddpge\hfil\hfil\the\evenpage\hfil}%
1656 \textwidth 9.49in
1657 \textheight 6.7in
1658 \columnsep 0.9in
1659 \columnseprule 0.125pt
1660 \headheight 0cm
1661 \topmargin 0in
1662 \marginparwidth 0in
1663 \marginparsep 0in
1664 \hoffset 0.05in % Corrected
1665 \voffset -0.5in %top margin space is 1.0in by default
1666 \oddsidemargin 0in

```



```

1667 \evensidemargin 0in
1668 \headsep 0cm
1669 \topskip 0cm
1670 \parskip 0.15in %
1671 \headsep 0pt
1672 \special{papersize=11.69in,8.26in}
1673 \renewcommand\maketitle{\par
1674 \begingroup
1675 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
1676 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
1677 \long\def\@makefntext##1{\parindent 1em\noindent
1678 \hb@xt@1.8em{%
1679 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
1680 \@maketitle
1681 \@thanks
1682 \endgroup
1683 \setcounter{footnote}{0}%
1684 \global\let\thanks\relax
1685 \global\let\maketitle\relax
1686 \global\let\@maketitle\relax
1687 \global\let\@thanks\@empty
1688 \global\let\@author\@empty
1689 \global\let\@date\@empty
1690 \global\let\@title\@empty
1691 \global\let\title\relax
1692 \global\let\author\relax
1693 \global\let\date\relax
1694 \global\let\and\relax
1695 }

```

7.16 bidicode.sty

```

1696 \NeedsTeXFormat{LaTeX2e}
1697 \ProvidesPackage{bidicode}
1698 \RequirePackage{xcolor}
1699 \RequirePackage{showexpl}
1700 \definecolor{hellgelb}{rgb}{1,1,0.85}
1701 \definecolor{colKeys}{rgb}{0,0,1}
1702 \definecolor{colIdentifier}{rgb}{0,0,0}
1703 \definecolor{colComments}{rgb}{1,0,0}
1704 \definecolor{colString}{rgb}{0,0.5,0}
1705 \lstset{
1706     language=[LaTeX]TEX,
1707     float=hb,
1708     basicstyle=\ttfamily\small,
1709     identifierstyle=\color{colIdentifier},
1710     keywordstyle=\color{colKeys},
1711     stringstyle=\color{colString},
1712     commentstyle=\color{colComments},
1713     columns=flexible,

```



```

1714     tabsize=4,
1715     gobble =1,
1716     extendedchars=true,
1717     showspace=false,
1718     showstringspaces=false,
1719     numbers=left,
1720     numbersep=0.9em,
1721     numberstyle=\tiny, %
1722     frame=single,
1723     captionpos=b,
1724     xleftmargin=1em,
1725     breaklines=true,
1726     breakautoindent=false,
1727     breakindent=0pt,
1728     escapeinside=**,
1729     pos=r,
1730     explpreset={%
1731       xleftmargin=1em,columns=flexible,language=[LaTeX]TEX},
1732     morekeywords={setLTR,setLR,setRTL,setRL,LRE,LR,RLE,RL,lr,bidiversion,bididate}
1733 }
1734 \newcommand\HLON{%
1735   \gdef\lst@alloverstyle##1{%
1736     \fboxrule=0pt
1737     \fboxsep=0pt
1738     \fcolorbox{hellgelb}{hellgelb}{\bfseries\strut##1}%
1739   }}
1740 \newcommand\HLOFF{%
1741   \xdef\lst@alloverstyle##1{##1}%
1742 }
1743 \newcommand\Larg [1]{\{\normalfont\itshape#1/\}}
1744 \newcommand\Larga[1]{\{$\langle$\Larg{#1}$\rangle$}
1745 \newcommand\Largb[1]{\{\lcb\Larg{#1}\rcb}
1746 \newcommand\Largs[1]{\{\lsb\Larg{#1}\rsb}
1747 \newcommand\Largr[1]{\{\lrb\Larg{#1}\rrb}
1748 \newcommand\LBEG[1]{\{\normalfont\ttfamily\bs{}\begin\lcb#1\rcb}}
1749 \newcommand\LEND[1]{\{\normalfont\ttfamily\bs{}\end\lcb#1\rcb}}
1750
1751 \DeclareRobustCommand\bs{\{\normalfont\ttfamily\symbol{92}\}}
1752 \DeclareRobustCommand\lcb{\{\normalfont\ttfamily\char`\{\}}
1753 \DeclareRobustCommand\rcb{\{\normalfont\ttfamily\char`\}\}}
1754 \DeclareRobustCommand\lsb{\{\normalfont\ttfamily[}
1755 \DeclareRobustCommand\rsb{\{\normalfont\ttfamily]}}
1756 \DeclareRobustCommand\lrb{\{\normalfont\ttfamily(}
1757 \DeclareRobustCommand\rrb{\{\normalfont\ttfamily)}}
1758
1759 \def\Lcs#1{\nxLcs{#1}}
1760 \def\LcsStar#1{\nxLcs{#1}\OptArg*{}}
1761 \def\nxLcs#1{\texttt{\symbol{92}#1}}
1762
1763 \def\Coordx#1{$x_{#1}$}

```




```

1764 \def\Coordy#1{$y_{#1}$}
1765 \def\Coordz#1{$z_{#1}$}
1766 \def\Coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1767 \def\Coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1768 \def\CoordIII#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1769 \def\CAny{\Coordx{ },\kern 1pt\Coordy{ }}
1770 \def\CIIIAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
1771 \def\coord#1{\Coordx{#1},\kern 1pt\Coordy{#1}}
1772 \def\coordn{\Coordx{n},\kern 1pt\Coordy{n}}
1773 \def\coordi#1{\Coordx{#1},\kern 1pt\Coordy{#1},\kern 1pt\Coordz{#1}}
1774 \def\coordx#1{($x_{#1}$)}
1775 \def\coordy#1{($y_{#1}$)}
1776 \def\coordz#1{($z_{#1}$)}
1777 \def\cAny{\Coordx{ },\kern 1pt\Coordy{ }}
1778 \def\ciiAny{\Coordx{ },\kern 1pt\Coordy{ },\kern 1pt\Coordz{ }}
1779
1780 \newsavebox{\boxdef}
1781 \newenvironment{BDef}
1782   {\begin{lrbox}\boxdef
1783     \def\arraystretch{1.0}
1784     \begin{tabular}{@{}l@{}l@{}l@{}}
1785   }
1786   {\end{tabular}\end{lrbox}}
1787
1788   {\BCmd\fbbox{\usebox\boxdef}\endBCmd}
1789   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1790 }
1791
1792 \newenvironment{BDef*}
1793   {\begin{lrbox}\boxdef
1794     \def\arraystretch{1.0}
1795     \begin{tabular}{@{}l@{}l@{}l@{}}
1796   }
1797   {\end{tabular}\end{lrbox}}
1798   {\begin{BCmd*}\fbbox{\usebox\boxdef}\end{BCmd*}}
1799   \aftergroup\@afterindentfalse\aftergroup\@afterheading
1800 }
1801 \newenvironment{BCmd}{
1802   \@beginparpenalty-\@lowpenalty
1803   \topsep\BDefaboveskip
1804   \fbboxsep3pt
1805   \flushleft}
1806 {\@endparpenalty\@M
1807   \@topsepadd\BDefbelowskip
1808   \endflushleft}
1809
1810 \newenvironment{BCmd*}{
1811   \@beginparpenalty\@M
1812   \topsep\BDefinlineskip
1813   \fbboxsep3pt

```



```

1814 \flushleft}
1815 {\@endparpenalty5000
1816 \endflushleft}
1817
1818 \newskip\BDefaboveskip
1819 \newskip\BDefbelowskip
1820 \newskip\BDefinlineskip
1821 \setlength\BDefaboveskip{10pt plus 4pt}
1822 \setlength\BDefbelowskip{6pt}
1823 \setlength\BDefinlineskip{6pt}
1824
1825 \def\OptArgs{\colorbox{black!20}{\texttt{[Options]}}\kern1pt}
1826 \def\OptArg{\@ifnextchar*\OptArg@i{\OptArg@ii*}}
1827 \def\OptArg@i*#1{\colorbox{black!20}{\texttt{#1}}\kern1pt}
1828 \def\OptArg@ii*#1{\colorbox{black!20}{\texttt{[#1]}}\kern1pt}

```

7.17 bidiftnxtra.sty

```

1829 \NeedsTeXFormat{LaTeX2e}
1830 \ProvidesPackage{bidiftnxtra}
1831 \newtoks\bidip@ftn
1832 \let\FN@sffootnote\footnote
1833 \let\FN@sff@LTRfootnote\LTRfootnote
1834 \let\FN@sff@RTLfootnote\RTLfootnote
1835 \def\footnote{\ifx\protect\@typeset@protect
1836 \expandafter\FN@sffootnote
1837 \else
1838 \expandafter\FN@sff@gobble@opt
1839 \fi
1840 }
1841 \def\LTRfootnote{\ifx\protect\@typeset@protect
1842 \expandafter\FN@sff@LTRfootnote
1843 \else
1844 \expandafter\FN@sff@gobble@opt
1845 \fi
1846 }
1847 \def\RTLfootnote{\ifx\protect\@typeset@protect
1848 \expandafter\FN@sff@RTLfootnote
1849 \else
1850 \expandafter\FN@sff@gobble@opt
1851 \fi
1852 }
1853 \edef\FN@sff@gobble@opt{\noexpand\protect
1854 \expandafter\noexpand\csname FN@sff@gobble@opt \endcsname}
1855 \expandafter\def\csname FN@sff@gobble@opt \endcsname{%
1856 \@ifnextchar[%]
1857 \FN@sff@gobble@twobracket
1858 \@gobble
1859 }
1860 \def\FN@sff@gobble@twobracket[#1]#2{}

```



```

1861 \let\FN@sffootnotemark\footnotemark
1862 \def\footnotemark{\ifx\protect\@typeset@protect
1863   \expandafter\FN@sffootnotemark
1864   \else
1865   \expandafter\FN@sffootnotemark@optonly
1866   \fi
1867 }
1868 \edef\FN@sffootnotemark@optonly{\noexpand\protect
1869   \expandafter\noexpand\csname FN@sffootnotemark@optonly \endcsname}
1870 \expandafter\def\csname FN@sffootnotemark@optonly \endcsname{%
1871   \@ifnextchar[%]
1872   \FN@sffootnotemark@bracket
1873   {}}%
1874 }
1875 \def\FN@sffootnotemark@bracket[#1]{%
1876 \def\@tabular{\if@RTL\global\@RTLtabtrue\fi
1877   \leavevmode \hbox \bgroup
1878   \let\@footnotetext\@bidi@p@ftntext
1879   \let\@LTRfootnotetext\@bidi@p@LTRftntext
1880   \let\@RTLfootnotetext\@bidi@p@RTLftntext
1881   \let\@xfootnotenext\@bidi@p@xftntext
1882   \let\@xfootnote\@bidi@p@xfootnote
1883   \let\@xLTRfootnotenext\@bidi@p@xLTRftntext
1884   \let\@xLTRfootnote\@bidi@p@xLTRfootnote
1885   \let\@xRTLfootnotenext\@bidi@p@xRTLftntext
1886   \let\@xRTLfootnote\@bidi@p@xRTLfootnote
1887   \if@RTLtab\beginR \fi
1888   $\let\@acol\@tabacol
1889   \let\@classz\@tabclassz
1890   \let\@classiv\@tabclassiv \let\\\@tabularcr\@tabarray}
1891 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
1892   \egroup $\if@RTLtab\endR\fi\egroup
1893   \ifx\@capttype\undefined
1894     \global\@bidi@p@ftn\expandafter{\expandafter}\the\@bidi@p@ftn\fi%
1895     \global\@RTLtabfalse}
1896 \long\def\@bidi@p@ftntext#1{%
1897   \edef\@tempy{\the\@bidi@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
1898   \global\@bidi@p@ftn\expandafter{\@tempy{#1}}}%
1899 \long\def\@bidi@p@LTRftntext#1{%
1900   \edef\@tempyi{\the\@bidi@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
1901   \global\@bidi@p@ftn\expandafter{\@tempyi{#1}}}%
1902 \long\def\@bidi@p@RTLftntext#1{%
1903   \edef\@tempyii{\the\@bidi@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
1904   \global\@bidi@p@ftn\expandafter{\@tempyii{#1}}}%
1905
1906
1907 \long\def\@bidi@p@xftntext[#1]#2{%
1908   \global\@bidi@p@ftn\expandafter{\the\@bidi@p@ftn\footnotetext[#1]{#2}}}
1909
1910 \long\def\@bidi@p@xLTRftntext[#1]#2{%

```



```

1911 \global\bidip@p@ftn\expandafter{\the\bidip@p@ftn\LTRfootnotetext[#1]{#2}}
1912
1913 \long\def\bidip@p@xRTLftntext[#1]#2{%
1914 \global\bidip@p@ftn\expandafter{\the\bidip@p@ftn\RTLfootnotetext[#1]{#2}}}
1915
1916
1917 \def\bidip@p@xfootnote[#1]{%
1918 \begingroup
1919 \csname c@ \@mpfn\endcsname #1\relax
1920 \unrestored@protected@xdef\@thefnmark{\thempfn}%
1921 \endgroup
1922 \@footnotemark\bidip@p@xftntext[#1]}
1923
1924
1925 \def\bidip@p@xLTRfootnote[#1]{%
1926 \begingroup
1927 \csname c@ \@mpfn\endcsname #1\relax
1928 \unrestored@protected@xdef\@thefnmark{\thempfn}%
1929 \endgroup
1930 \@footnotemark\bidip@p@xLTRftntext[#1]}
1931
1932
1933 \def\bidip@p@xRTLfootnote[#1]{%
1934 \begingroup
1935 \csname c@ \@mpfn\endcsname #1\relax
1936 \unrestored@protected@xdef\@thefnmark{\thempfn}%
1937 \endgroup
1938 \@footnotemark\bidip@p@xRTLftntext[#1]}
1939
1940 \def\@xfloat #1[#2]{%
1941 \@nodocument
1942 \def \@captype {#1}%
1943 \def \@fps {#2}%
1944 \@onelevel@sanitize \@fps
1945 \def \reserved@b {!}%
1946 \ifx \reserved@b \@fps
1947 \@fpsadddefault
1948 \else
1949 \ifx \@fps \@empty
1950 \@fpsadddefault
1951 \fi
1952 \fi
1953 \ifhmode
1954 \@bsphack
1955 \@floatpenalty -\@Mii
1956 \else
1957 \@floatpenalty-\@Miii
1958 \fi
1959 \ifinner
1960 \@parmoderr\@floatpenalty\z@

```



```

1961 \else
1962 \@next\@currbox\@freelist
1963 {%
1964 \@tempcnta \sixt@@n
1965 \expandafter \@tfor \expandafter \reserved@a
1966 \expandafter :\expandafter =\@fps
1967 \do
1968 {%
1969 \if \reserved@a h%
1970 \ifodd \@tempcnta
1971 \else
1972 \advance \@tempcnta \@ne
1973 \fi
1974 \fi
1975 \if \reserved@a t%
1976 \@setfpsbit \tw@
1977 \fi
1978 \if \reserved@a b%
1979 \@setfpsbit 4%
1980 \fi
1981 \if \reserved@a p%
1982 \@setfpsbit 8%
1983 \fi
1984 \if \reserved@a !%
1985 \ifnum \@tempcnta>15
1986 \advance\@tempcnta -\sixt@@n\relax
1987 \fi
1988 \fi
1989 }%
1990 \@tempcntb \csname ftype@\@capttype \endcsname
1991 \multiply \@tempcntb \@xxxii
1992 \advance \@tempcnta \@tempcntb
1993 \global \count\@currbox \@tempcnta
1994 }%
1995 \@fltovf
1996 \fi
1997 \global \setbox\@currbox
1998 \color@vbox
1999 \normalcolor
2000 \vbox \bgroup
2001 \let\@footnotetext\@bidi@p@fnttext
2002 \let\@LTRfootnotetext\@bidi@p@LTRfnttext
2003 \let\@RTLfootnotetext\@bidi@p@RTLfnttext
2004 \let\@xfootnotenext\@bidi@p@xftntext
2005 \let\@xfootnote\@bidi@p@xfootnote
2006 \let\@xLTRfootnotenext\@bidi@p@xLTRfnttext
2007 \let\@xLTRfootnote\@bidi@p@xLTRfootnote
2008 \let\@xRTLfootnotenext\@bidi@p@xRTLfnttext
2009 \let\@xRTLfootnote\@bidi@p@xRTLfootnote
2010 \hsize\columnwidth

```



```

2011      \@parboxrestore
2012      \@floatboxreset
2013 }
2014 \def \endfloatbox{%
2015     \par\vskip\z@skip      %% \par\vskip\z@ added 15 Dec 87
2016     \@minipagefalse
2017     \outer@nobreak
2018     \egroup                %% end of vbox
2019     \global\bidip@ftn\expandafter{\expandafter}\the\bidip@ftn
2020     \color@endbox
2021 }

```

7.18 bidi-longtable.sty

```

2022 \ProvidesPackage{bidi-longtable}[2012/12/12 v0.1 typesetting bidi longtables in XeTeX engine (exp
2023 \def\longtable{\ifRTL@RTLtabtrue\fi%
2024     \par
2025     \ifx\multicols\@undefined
2026     \else
2027         \ifnum\col@number>\@ne
2028             \@twocolumntrue
2029         \fi
2030     \fi
2031     \if@twocolumn
2032         \LT@err{longtable not in 1-column mode}\@ehc
2033     \fi
2034     \begingroup
2035     \@ifnextchar[LT@array{LT@array[x]}}
2036 \def\endlongtable{%
2037     \crrc
2038     \noalign{%
2039         \let\LT@entry\LT@entry@chop
2040         \xdef\LT@save@row{\LT@save@row}}%
2041     \LT@echunk
2042     \LT@start
2043     \unvbox\z@
2044     \LT@get@widths
2045     \if@filesw
2046         {\let\LT@entry\LT@entry@write\immediate\write\@auxout{%
2047             \gdef\expandafter\noexpand
2048             \csname LT@\romannumeral\c@LT@tables\endcsname
2049             {\LT@save@row}}}%
2050     \fi
2051     \ifx\LT@save@row\LT@@@save@row
2052     \else
2053         \LT@warn{Column \@width s have changed\MessageBreak
2054             in table \thetable}%
2055         \LT@final@warn
2056     \fi
2057     \endgraf\penalty -\LT@end@pen

```



```

2058 \endgroup
2059 \global\@mparbottom\z@
2060 \pagegoal\vsizel
2061 \endgraf\penalty\z@\addvspace\LTpost
2062 \ifvoid\footins\else\insert\footins{}\fi\@RTLtabfalse}
2063 \def\LT@output{%
2064 \ifnum\outputpenalty <-\@Mi
2065 \ifnum\outputpenalty > -\LT@end@pen
2066 \LT@err{floats and marginpars not allowed in a longtable}\@ehc
2067 \else
2068 \setbox\z@\vbox{\unvbox\@cclv}%
2069 \ifdim \ht\LT@lastfoot>\ht\LT@foot
2070 \dimen@pagegoal
2071 \advance\dimen@-\ht\LT@lastfoot
2072 \ifdim\dimen@<\ht\z@
2073 \setbox\@cclv\vbox{\unvbox\z@\copy\LT@foot\vss}%
2074 \@makecol
2075 \@outputpage
2076 \setbox\z@\vbox{\box\LT@head}%
2077 \fi
2078 \fi
2079 \global\@colroom\@colht
2080 \global\vsizel\@colht
2081 \vbox
2082 {\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\z@\box\ifvoid\LT@lastfoot\LT@foot\else\LT@lastf
2083 \fi
2084 \else
2085 \setbox\@cclv\vbox{\hbox{\if@RTLtab\beginR\fi\vbox{\unvbox\@cclv\copy\LT@foot\vss}\if@RTLta
2086 \@makecol
2087 \@outputpage
2088 \global\vsizel\@colroom
2089 \copy\LT@head\nobreak
2090 \fi}

```

7.19 bidimoderncv.cls

```

2091 \NeedsTeXFormat{LaTeX2e}
2092 \ProvidesClass{bidimoderncv}
2093 \newif\if@DEBUG\@DEBUGfalse
2094 \DeclareOption{a4paper}{
2095 \setlength\paperheight{297mm}
2096 \setlength\paperwidth{210mm}}
2097 \DeclareOption{a5paper}{
2098 \setlength\paperheight{210mm}
2099 \setlength\paperwidth{148mm}}
2100 \DeclareOption{b5paper}{
2101 \setlength\paperheight{250mm}
2102 \setlength\paperwidth{176mm}}
2103 \DeclareOption{letterpaper}{
2104 \setlength\paperheight{11in}

```



```

2105 \setlength\paperwidth{8.5in}}
2106 \DeclareOption{legalpaper}{
2107   \setlength\paperheight{14in}
2108   \setlength\paperwidth{8.5in}}
2109 \DeclareOption{executivepaper}{
2110   \setlength\paperheight{10.5in}
2111   \setlength\paperwidth{7.25in}}
2112 \DeclareOption{landscape}{
2113   \setlength\@tempdima{\paperheight}
2114   \setlength\paperheight{\paperwidth}
2115   \setlength\paperwidth{\@tempdima}}
2116 \newcommand\@ptsize{
2117   \DeclareOption{10pt}{\renewcommand\@ptsize{0}}
2118   \DeclareOption{11pt}{\renewcommand\@ptsize{1}}
2119   \DeclareOption{12pt}{\renewcommand\@ptsize{2}}
2120   \DeclareOption{draft}{\setlength\overfullrule{5pt}}
2121   \DeclareOption{final}{\setlength\overfullrule{0pt}}
2122   \newif\if@colour\@colourtrue
2123   \DeclareOption{nocolour}{\@colourfalse}
2124   \ExecuteOptions{a4paper,11pt,colour,final}
2125   \ProcessOptions\relax
2126   \input{size1\@ptsize.clo}
2127   \RequirePackage{color}
2128   \RequirePackage{graphicx}
2129   \RequirePackage{ifthen}
2130   \RequirePackage{marvosym}
2131   \addtolength{\oddsidemargin}{-54pt}
2132   \addtolength{\textwidth}{109pt}
2133   \addtolength{\topmargin}{-70pt}
2134   \addtolength{\textheight}{122pt}
2135   \addtolength{\marginparsep}{-5pt}
2136   \addtolength{\marginparwidth}{-10pt}
2137   \RequirePackage{url}
2138   \RequirePackage{hyperref}
2139   \hypersetup{
2140     breaklinks,
2141     baseurl      = http://,%
2142     pdfborder    = 0 0 0,%
2143     pdfpagemode  = UseNone,%
2144     pdfstartpage = 1}
2145   \AtEndOfClass{
2146     \AtBeginDocument{
2147       \hypersetup{
2148         pdfauthor    = \@firstname~\@familyname,%
2149         pdftitle     = \@title,%
2150         pdfsubject   = \@firstname~\@familyname,%
2151         pdfkeywords  = \@resumename~\@firstname~\@familyname}}}
2152   \urlstyle{tt}
2153   \RequirePackage{fancyhdr}
2154   \fancypagestyle{plain}{%

```




```

2155 \renewcommand{\headrulewidth}{0pt}
2156 \renewcommand{\footrulewidth}{0pt}
2157 \fancyhf{}
2158 \pagestyle{plain}
2159 \setlength\lineskip{1\p@}
2160 \setlength\normallineskip{1\p@}
2161 \renewcommand\baselinestretch{}
2162 \setlength{\parindent}{0pt}
2163 \setlength{\parskip}{0pt}
2164 \setlength\columnsep{10\p@}
2165 \setlength\columnseprule{0\p@}
2166 \pagestyle{empty}
2167 \pagenumbering{arabic}
2168 \raggedbottom
2169 \onecolumn
2170 \providecommand*\listitemsymbol{\textbullet}
2171 \providecommand*\addresssymbol{}
2172 \providecommand*\mobilesymbol{\Mobilefone}
2173 \providecommand*\phonesymbol{\Telefon}
2174 \providecommand*\faxsymbol{\FAX}
2175 \providecommand*\emailsymbol{\Letter}
2176 \definecolor{firstnamecolor}{rgb}{0,0,0}
2177 \def\firstnamecolour#1{\gdef\@firstnamecolour{\addfontfeature{Color=#1}}}
2178 \def\familynamcolour#1{\gdef\@familynamcolour{\addfontfeature{Color=#1}}}
2179 \def\titlecolour#1{\gdef\@titlecolour{\addfontfeature{Color=#1}}}
2180 \def\addresscolour#1{\gdef\@addresscolour{\addfontfeature{Color=#1}}}
2181 \def\quotecolour#1{\gdef\@quotecolour{\addfontfeature{Color=#1}}}
2182 \def\sectiontitlecolour#1{\gdef\@sectiontitlecolour{\addfontfeature{Color=#1}}}
2183 \definecolor{sectionrectanglecolor}{rgb}{0,0,0}
2184 \def\subsectioncolour#1{\gdef\@subsectioncolour{\addfontfeature{Color=#1}}}
2185 \def\hintcolour#1{\gdef\@hintcolour{\addfontfeature{Color=#1}}}
2186 \providecommand*\firstnamefont{}
2187 \providecommand*\familynamefont{}
2188 \providecommand*\titlefont{}
2189 \providecommand*\addressfont{}
2190 \providecommand*\quotefont{}
2191 \providecommand*\sectionfont{}
2192 \providecommand*\subsectionfont{}
2193 \providecommand*\hintfont{\small}
2194 \providecommand*\firstnamestyle[1]{\{\@firstnamefont\@firstnamecolour#1\}}
2195 \providecommand*\familynamestyle[1]{\{\@familynamefont\@familynamecolour#1\}}
2196 \providecommand*\titlestyle[1]{\{\@titlefont\@titlecolour#1\}}
2197 \providecommand*\addressstyle[1]{\{\@addressfont\@addresscolour#1\}}
2198 \providecommand*\quotestyle[1]{\{\@quotefont\@quotecolour#1\}}
2199 \providecommand*\sectionstyle[1]{\{\@sectionfont\@sectiontitlecolour#1\}}
2200 \providecommand*\subsectionstyle[1]{\{\@subsectionfont\@subsectioncolour#1\}}
2201 \providecommand*\hintstyle[1]{\{\@hintfont\@hintcolour#1\}}
2202 \newcommand*\cvtheme[2][]{
2203   \def\@cvtheme{#2}
2204   \def\@cvthemeoptions{#1}}

```



```

2205 \cvtheme{bidi-casual}
2206 \AtBeginDocument{\RequirePackage[\@cvthemeoptions]{cvtheme\@cvtheme}}
2207 \newcommand*{\resumename}[1]{\def\@resumename{#1}}
2208 \newcommand*{\firstname}[1]{\def\@firstname{#1}}
2209 \newcommand*{\familyname}[1]{\def\@familyname{#1}}
2210 \renewcommand*{\title}[1]{\def\@title{#1}}
2211 \newcommand*{\address}[1]{\def\@address{#1}}
2212 \newcommand*{\mobile}[1]{\def\@mobile{#1}}
2213 \newcommand*{\phone}[1]{\def\@phone{#1}}
2214 \renewcommand*{\fax}[1]{\def\@fax{#1}}
2215 \newcommand*{\email}[1]{\def\@email{#1}}
2216 \newcommand*{\extrainfo}[1]{\def\@extrainfo{#1}}
2217 \def\@photowidth{0pt}
2218 \newcommand*{\photo}[2][64pt]{\def\@photowidth{#1}\def\@photo{#2}}
2219 \newcommand*{\quote}[1]{\def\@quote{#1}}
2220 \newlength{\quotewidth}
2221 \newlength{\hintscolumnwidth}
2222 \newlength{\separatorcolumnwidth}
2223 \setlength{\separatorcolumnwidth}{0.025\textwidth}
2224 \newlength{\maincolumnwidth}
2225 \newlength{\doubleitemmaincolumnwidth}
2226 \newlength{\listitemsymbolwidth}
2227 \settowidth{\listitemsymbolwidth}{\listitemsymbol{}}
2228 \newlength{\listitemmaincolumnwidth}
2229 \newlength{\listdoubleitemmaincolumnwidth}
2230 \newcommand*{\recomputethemelengths}{}
2231 \newcommand*{\recomputelengths}{%
2232 \setlength{\quotewidth}{0.65\textwidth}%
2233 \setlength{\maincolumnwidth}{\textwidth}%
2234 \addtolength{\maincolumnwidth}{-\separatorcolumnwidth}%
2235 \addtolength{\maincolumnwidth}{-\hintscolumnwidth}%
2236 \setlength{\listitemmaincolumnwidth}{\maincolumnwidth}%
2237 \addtolength{\listitemmaincolumnwidth}{-\listitemsymbolwidth}%
2238 \setlength{\doubleitemmaincolumnwidth}{\maincolumnwidth}%
2239 \addtolength{\doubleitemmaincolumnwidth}{-\hintscolumnwidth}%
2240 \addtolength{\doubleitemmaincolumnwidth}{-\separatorcolumnwidth}%
2241 \setlength{\doubleitemmaincolumnwidth}{0.5\doubleitemmaincolumnwidth}%
2242 \setlength{\listdoubleitemmaincolumnwidth}{\maincolumnwidth}%
2243 \addtolength{\listdoubleitemmaincolumnwidth}{-\listitemsymbolwidth}%
2244 \setlength{\listdoubleitemmaincolumnwidth}{0.475\listdoubleitemmaincolumnwidth}%
2245 \renewcommand{\headwidth}{\textwidth}%
2246 \recomputethemelengths}
2247 \setlength{\hintscolumnwidth}{0.15\textwidth}
2248 \recomputelengths
2249 \title{}
2250 \renewcommand*{\maketitle}{}
2251 \newcommand*{\section}[1]{%
2252 \vspace*{2.5ex \@plus 1ex \@minus .2ex}%
2253 \phantomsection}%
2254 \addcontentsline{toc}{part}{#1}%

```



```

2255 \parbox[m]{\hintscolumnwidth}{\bidi@raggedleft\hintfont{\leavevmode\color{sectionrectanglecolor}
2256 \hspace{\separatorcolumnwidth}}%
2257 \parbox[m]{\maincolumnwidth}{\sectionstyle{#1}}\[\[1ex]]
2258 \newcommand*\subsection[1]{%
2259 \cvline[0.45em]{\subsectionstyle{#1}}
2260 \newcommand*\cvline[3][.25em]{%
2261 \begin{tabular}{@{}p{\hintscolumnwidth}@{\hspace{\separatorcolumnwidth}}p{\maincolumnwidth}@{}
2262 \bidi@raggedleft\hintfont{#2} &{#3}%
2263 \end{tabular}}\[#1]
2264 \newcommand*\cvdoubleitem[4]{%
2265 \cvline{#1}{\begin{minipage}[t]{\doubleitemmaincolumnwidth}#2\end{minipage}}%
2266 \hfill%
2267 \begin{minipage}[t]{\hintscolumnwidth}\bidi@raggedleft\hintfont{#3}\end{minipage}\hspace*{\se
2268 \newcommand*\cvlistitem[2][\listitemsymbol{}]{%
2269 \cvline[0pt]{\begin{minipage}[t]{\listitemmaincolumnwidth}#2\end{minipage}}
2270 \newcommand*\cvlistdoubleitem[3][\listitemsymbol{}]{%
2271 \cvline[0pt]{\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#2\end{minipage}}%
2272 \hfill%
2273 \ifthenelse{\equal{#3}{}}%
2274 {}%
2275 {\begin{minipage}[t]{\listdoubleitemmaincolumnwidth}#3\end{minipage}}}
2276 \newcommand*\cventry[6]{%
2277 \cvline{#1}{%
2278 {\bfseries#2}%
2279 \ifx#3\else{, {\slshape#3}}\fi%
2280 \ifx#4\else{, #4}\fi%
2281 \ifx#5\else{, #5}\fi%
2282 .%
2283 \ifx#6\else{\newline{}\begin{minipage}[t]{\linewidth}\small#6\end{minipage}}\fi
2284 }%
2285 \newcommand*\cvlanguage[3]{%
2286 \cvline{#1}{\begin{minipage}[t]{.225\maincolumnwidth}\textbf{#2}\end{minipage}\hfill\begin{m
2287 \newcommand*\cvcomputer[4]{%
2288 \cvdoubleitem{#1}{\small#2}{#3}{\small#4}}
2289 \newcommand*\link[2][{}]{%
2290 \ifthenelse{\equal{#1}{}}%
2291 {\href{#2}{#2}}%
2292 {\href{#2}{#1}}}
2293 \newcommand*\httplink[2][{}]{%
2294 \ifthenelse{\equal{#1}{}}%
2295 {\href{http://#2}{#2}}%
2296 {\href{http://#2}{#1}}}
2297 \newcommand*\emailink[2][{}]{%
2298 \ifthenelse{\equal{#1}{}}%
2299 {\href{mailto:#2}{#2}}%
2300 {\href{mailto:#2}{#1}}}
2301 \newif\if@displaypagenumbers\@displaypagenumberstrue
2302 \newcommand*\nopagenumbers{\@displaypagenumbersfalse}
2303 \AtBeginDocument{%
2304 \if@displaypagenumbers%

```



```

2305 \@ifundefined{r@lastpage}{}{%
2306 \ifthenelse{\pageref{lastpage} > 1}{%
2307 \fancypagestyle{plain}{%
2308 \fancyfoot[r]{\beginL\addressfont\@quotecolour\footnotesize\thepage\beginL/\endL\pageref{
2309 \pagestyle{plain}}}%
2310 \AtEndDocument{\label{lastpage}}%
2311 \fi}
2312 \newlength{\bibindent}
2313 \setlength{\bibindent}{1.5em}
2314 \newcommand*{\bibliographyitemlabel}{\includegraphics{bibitem.pdf}}
2315 \newenvironment{thebibliography}[1]%
2316 {%
2317 \section{\refname}%
2318 \small%
2319 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
2320 \begin{list}{\bibliographyitemlabel}%
2321 {%
2322 \setlength{\topsep}{0pt}%
2323 \setlength{\labelwidth}{\hintscolumnwidth}%
2324 \setlength{\labelsep}{\separatorcolumnwidth}%
2325 \leftmargin\labelwidth%
2326 \advance\leftmargin\labelsep%
2327 \@openbib@code%
2328 \usecounter{enumiv}%
2329 \let\p@enumiv\@empty%
2330 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
2331 \sloppy\clubpenalty4000\widowpenalty4000%
2332 }%
2333 {%
2334 \def\@noitemerr{\@latex@warning{Empty `thebibliography' environment}}%
2335 \end{list}%
2336 }
2337 \newcommand\newblock{\hskip .11em\@plus.33em\@minus.07em}
2338 \let\@openbib@code\@empty

```

7.20 biditools.sty

```

2339 \NeedsTeXFormat{LaTeX2e}
2340 \ProvidesPackage{biditools}[2015/02/01 v0.3 Programming tools for bidi package]
2341 \providecommand{\@bidi@saveprimitive}[2]{\begingroup\escapechar`\\relax
2342 \edef\@tempa{\string#1}\edef\@tempb{\meaning#1}%
2343 \ifx\@tempa\@tempb \global\let#2#1%
2344 \else
2345 \edef\@tempb{\meaning#2}%
2346 \ifx\@tempa\@tempb
2347 \else
2348 \@latex@error{Unable to properly define \string#2; primitive
2349 \noexpand#1no longer primitive}\@eha
2350 \fi
2351 \fi

```



```

2352 \endgroup}
2353 \def\@tagsextension{clo}
2354 \def\@definitionfileextension{def}
2355 \def\@iftagsloaded{\@ifl@aded\@tagsextension}
2356 \def\@ifdefinitionfileloaded{\@ifl@aded\@definitionfileextension}
2357 \def\eqnewif#1#2{%
2358   \count@\escapechar \escapechar\m@ne
2359   \let#1\iffalse
2360   \let#2\iffalse
2361   \eq@if#1#2\iftrue
2362   \eq@if#1#2\iffalse
2363   \escapechar\count@}
2364 \def\eq@if#1#2#3{%
2365   \expandafter\def\csname\expandafter\@gobbletwo\string#1%
2366     \expandafter\@gobbletwo\string#3\endcsname
2367     {\let#1#3%
2368     \let#2#3}%
2369   \expandafter\def\csname\expandafter\@gobbletwo\string#2%
2370     \expandafter\@gobbletwo\string#3\endcsname
2371     {\let#2#3%
2372     \let#1#3}}
2373 \newcommand*{\if@bidi@csdef}[1]{%
2374   \ifcsname#1\endcsname
2375     \expandafter\@firstoftwo
2376   \else
2377     \expandafter\@secondoftwo
2378   \fi}
2379 \newcommand*{\if@bidi@csundef}[1]{%
2380   \ifcsname#1\endcsname
2381     \expandafter\ifx\csname#1\endcsname\relax
2382     \expandafter\expandafter
2383     \expandafter\@firstoftwo
2384   \else
2385     \expandafter\expandafter
2386     \expandafter\@secondoftwo
2387   \fi
2388   \else
2389     \expandafter\@firstoftwo
2390   \fi}
2391 \newcommand{\if@bidi@def}[1]{%
2392   \ifdefined#1%
2393     \expandafter\@firstoftwo
2394   \else
2395     \expandafter\@secondoftwo
2396   \fi}
2397 \newcommand{\if@bidi@undef}[1]{%
2398   \ifdefined#1%
2399     \ifx#1\relax
2400     \expandafter\expandafter
2401     \expandafter\@firstoftwo

```



```

2402 \else
2403 \expandafter\expandafter
2404 \expandafter\@secondoftwo
2405 \fi
2406 \else
2407 \expandafter\@firstoftwo
2408 \fi}
2409 \newcommand{\if@bidi@blank}[1]{% from url.sty
2410 \bidi@ifblank@i#1&&\@secondoftwo\@firstoftwo:}
2411 \long\def\bidi@ifblank@i#1#2&#3#4#5:{#4}
2412 \newcommand{\bidi@notblank}[1]{%
2413 \bidi@ifblank@i#1&&\@firstoftwo\@secondoftwo:}
2414 \newcommand{\if@bidi@defmacro}{%
2415 \long\edef\if@bidi@defmacro#1{%
2416 \noexpand\expandafter\noexpand\bidi@ifdefmacro
2417 \noexpand\meaning#1\detokenize{macro}:&}
2418 \edef\bidi@ifdefmacro{%
2419 \def\noexpand\bidi@ifdefmacro##1\detokenize{macro}:##2&}
2420 \bidi@ifdefmacro{\bidi@notblank{#2}}
2421 \newcommand*\if@bidi@csmacro}[1]{%
2422 \if@bidi@csdef{#1}
2423 {\expandafter\if@bidi@defmacro\csname#1\endcsname}
2424 {\@secondoftwo}}
2425 \newcommand{\if@bidi@defprimitive}[1]{%
2426 \ifprimitive#1%
2427 \expandafter\@firstoftwo
2428 \else
2429 \expandafter\@secondoftwo
2430 \fi}
2431 \newcommand{\if@bidi@csprimitive}[1]{%
2432 \begingroup\expandafter\expandafter\expandafter\endgroup%
2433 \expandafter\ifprimitive\csname#1\endcsname%
2434 \expandafter\@firstoftwo
2435 \else
2436 \expandafter\@secondoftwo
2437 \fi}
2438 \newcommand*\bidi@csdefcs}[2]{%
2439 \expandafter\@ifdefinable \csname#1\endcsname{%
2440 \expandafter\def\csname#1\expandafter\endcsname{\csname#2\endcsname}}
2441 \newcommand*\bidi@csletcs}[2]{%
2442 \expandafter\@ifdefinable \csname#1\endcsname{%
2443 \expandafter\let\csname#1\expandafter\endcsname\csname#2\endcsname}}
2444 \newcommand*\bidi@cslet}[2]{%
2445 \expandafter\@ifdefinable \csname#1\endcsname{%
2446 \expandafter\let\csname#1\endcsname#2}}
2447 \newcommand{\bidi@namelongdef}[1]{%
2448 \long\expandafter\def\csname #1\endcsname}
2449 \def\bidi@ensure@newcommand{\@star@or@long\bidi@ensure@new@command}
2450 \def\bidi@ensure@new@command#1{%
2451 \begingroup \escapechar\m@ne\xdef\@gtempa{\string#1}\endgroup

```



```

2452 \expandafter\if@bidi@csundef\@gtempa
2453     {\new@command#1}{\relax%
2454 \let\@ifdefinable\@rc@ifdefinable%
2455 \new@command#1}}
2456 \def\bidi@ensure@newlength#1{\if@bidi@undef#1{\newskip#1}{}}
2457
2458 \protected\def\bidi@error{\PackageError{bidi}}
2459 \protected\def\bidi@warning{\PackageWarning{bidi}}
2460 \protected\def\bidi@info{\PackageInfo{bidi}}
2461
2462 \newcommand*{\bidi@newrobustcmd}{\}
2463 \protected\def\bidi@newrobustcmd{\@star@or@long\bidi@new@command}
2464
2465 \def\bidi@new@command#1{\@testopt{\bidi@newcommand#1}0}
2466
2467 \def\bidi@newcommand#1[#2]{%
2468 \ifnextchar[%
2469     {\bidi@xargdef#1[#2]}
2470     {\ifx\l@ngrel@x\relax
2471         \let\l@ngrel@x\protected
2472         \else
2473         \protected\def\l@ngrel@x{\protected\long}%
2474         \fi
2475         \@argdef#1[#2]}}
2476
2477 \long\def\bidi@xargdef#1[#2][#3]#4{%
2478 \ifdefinable#1{%
2479     \expandafter\protected
2480     \expandafter\def
2481     \expandafter#1%
2482     \expandafter{%
2483         \expandafter\@testopt
2484         \csname\string#1\endcsname{#3}}}%
2485     \expandafter\@yargdef\csname\string#1\endcsname\tw#{#2}{#4}}}%
2486
2487 \bidi@newrobustcmd*{\bidi@renewrobustcmd}{\@star@or@long\bidi@renew@command}
2488
2489 \def\bidi@renew@command#1{%
2490 \if@bidi@undef{#1}
2491     {\bidi@error{\string#1 undefined}\@ehc}
2492     {}%
2493 \let\@ifdefinable\@rc@ifdefinable
2494 \bidi@new@command#1}
2495
2496
2497
2498 \bidi@newrobustcmd*{\bidi@providerobustcmd}{\@star@or@long\bidi@provide@command}
2499
2500 \def\bidi@provide@command#1{%
2501 \if@bidi@undef{#1}

```



```

2502     {\def\reserved@a{\bidi@new@command#1}}
2503     {\def\reserved@a{\bidi@renew@command\reserved@a}}%
2504     \reserved@a}
2505
2506 \newcommand*{\bidi@csuse}[1]{%
2507   \ifcsname#1\endcsname
2508     \csname#1\expandafter\endcsname
2509   \fi}
2510
2511 \newcommand{\bidi@expandonce}[1]{%
2512   \unexpanded\expandafter{#1}}
2513
2514 \def\bidi@protected{%
2515   \let\@@protect\protect
2516   \let\protect\@unexpandable@protect
2517   \afterassignment\restore@protect}
2518
2519 \bidi@newrobustcmd{\bidi@appto}[2]{%
2520   \if@bidi@undef{#1}
2521     {\edef#1{\unexpanded{#2}}}
2522     {\edef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2523 \bidi@newrobustcmd{\bidi@eappto}[2]{%
2524   \if@bidi@undef{#1}
2525     {\edef#1{#2}}
2526     {\edef#1{\bidi@expandonce#1#2}}}
2527 \bidi@newrobustcmd{\bidi@gappto}[2]{%
2528   \if@bidi@undef{#1}
2529     {\xdef#1{\unexpanded{#2}}}
2530     {\xdef#1{\bidi@expandonce#1\unexpanded{#2}}}}
2531 \bidi@newrobustcmd{\bidi@xappto}[2]{%
2532   \if@bidi@undef{#1}
2533     {\xdef#1{#2}}
2534     {\xdef#1{\bidi@expandonce#1#2}}}
2535
2536 \bidi@newrobustcmd*{\bidi@protected@eappto}{\bidi@protected\bidi@eappto}
2537 \bidi@newrobustcmd*{\bidi@protected@xappto}{\bidi@protected\bidi@xappto}
2538
2539
2540
2541 \bidi@newrobustcmd{\bidi@preto}[2]{%
2542   \if@bidi@undef{#1}
2543     {\edef#1{\unexpanded{#2}}}
2544     {\edef#1{\unexpanded{#2}\bidi@expandonce#1}}}
2545 \bidi@newrobustcmd{\bidi@epreto}[2]{%
2546   \if@bidi@undef{#1}
2547     {\edef#1{#2}}
2548     {\edef#1{#2\bidi@expandonce#1}}}
2549 \bidi@newrobustcmd{\bidi@gpreto}[2]{%
2550   \if@bidi@undef{#1}
2551     {\xdef#1{\unexpanded{#2}}}

```




```

2552     {\xdef#1{\unexpanded{#2}\bidi@expandonce#1}}
2553 \bidi@newrobustcmd{\bidi@xpreto}[2]{%
2554   \if@bidi@undef{#1}
2555     {\xdef#1{#2}}
2556     {\xdef#1{#2\bidi@expandonce#1}}}
2557
2558 \bidi@newrobustcmd*{\bidi@protected@epreto}{\bidi@protected\bidi@epreto}
2559 \bidi@newrobustcmd*{\bidi@protected@xpreto}{\bidi@protected\bidi@xpreto}
2560
2561
2562
2563 \bidi@newrobustcmd*{\bidi@csappto}[1]{\expandafter\bidi@appto\csname#1\endcsname}
2564 \bidi@newrobustcmd*{\bidi@cseappto}[1]{\expandafter\bidi@eappto\csname#1\endcsname}
2565 \bidi@newrobustcmd*{\bidi@csgappto}[1]{\expandafter\bidi@gappto\csname#1\endcsname}
2566 \bidi@newrobustcmd*{\bidi@csxappto}[1]{\expandafter\bidi@xappto\csname#1\endcsname}
2567 \bidi@newrobustcmd*{\bidi@protected@cseappto}{\bidi@protected\bidi@cseappto}
2568 \bidi@newrobustcmd*{\bidi@protected@csxappto}{\bidi@protected\bidi@csxappto}
2569
2570
2571
2572 \bidi@newrobustcmd*{\bidi@cspreto}[1]{\expandafter\bidi@preto\csname#1\endcsname}
2573 \bidi@newrobustcmd*{\bidi@csepreto}[1]{\expandafter\bidi@epreto\csname#1\endcsname}
2574 \bidi@newrobustcmd*{\bidi@csgpreto}[1]{\expandafter\bidi@gpreto\csname#1\endcsname}
2575 \bidi@newrobustcmd*{\bidi@csxpreto}[1]{\expandafter\bidi@xpreto\csname#1\endcsname}
2576 \bidi@newrobustcmd*{\bidi@protected@csepreto}{\bidi@protected\bidi@csepreto}
2577 \bidi@newrobustcmd*{\bidi@protected@csxpreto}{\bidi@protected\bidi@csxpreto}
2578
2579
2580
2581 \bidi@newrobustcmd{\if@bidi@patchable}{%
2582   \bidi@dbg@trce\if@bidi@patchable
2583   \begingroup
2584   \@makeother\#%
2585   \@ifstar\bidi@ifpatchablei\bidi@ifpatchable}
2586
2587 \long\def\bidi@ifpatchable#1#2{%
2588   \endgroup
2589   \bidi@dbg@init#1%
2590   \if@bidi@undef{#1}
2591     {\bidi@dbg@fail{def}\@secondoftwo}
2592     {\bidi@dbg@info{def}%
2593       \if@bidi@defmacro{#1}
2594         {\bidi@dbg@info{mac}%
2595           \bidi@ifscanable{#1}
2596             {\bidi@ifhashcheck{#2}
2597               {\bidi@dbg@info{tok}%
2598                 \bidi@ifpattern#1{#2}
2599                 {\bidi@dbg@info{pat}%
2600                   \bidi@dbg@info{pos}\@firstoftwo}
2601                 {\bidi@dbg@fail{pat}\@secondoftwo}}}

```



```

2602         {\bidi@dbg@fail{hsh}\@secondoftwo}}
2603         {\bidi@dbg@fail{tok}\@secondoftwo}}
2604         {\bidi@dbg@fail{mac}\@secondoftwo}}
2605
2606 \long\def\bidi@ifpatchable@i#1{%
2607   \endgroup
2608   \bidi@dbg@init#1%
2609   \if@bidi@undef{#1}
2610     {\bidi@dbg@fail{def}\@secondoftwo}
2611     {\bidi@dbg@info{def}%
2612       \if@bidi@defmacro{#1}
2613         {\bidi@dbg@info{mac}%
2614           \if@bidi@defparam{#1}
2615             {\bidi@dbg@info{prm}%
2616               \bidi@ifscanable{#1}
2617                 {\bidi@dbg@info{tok}%
2618                   \bidi@dbg@info{pos}\@firstoftwo}
2619                 {\bidi@dbg@fail{tok}\@secondoftwo}}
2620             {\bidi@dbg@info{prl}%
2621               \if@bidi@defprotected{#1}
2622                 {\bidi@dbg@info{pro}}
2623                 {}%
2624               \bidi@dbg@info{pos}\@firstoftwo}}
2625             {\bidi@dbg@fail{mac}\@secondoftwo}}
2626
2627 \bidi@newrobustcmd*{\bidi@patchcmd}{%
2628   \bidi@dbg@trce\bidi@patchcmd
2629   \begingroup
2630   \@makeother\#%
2631   \bidi@@patchcmd}
2632
2633 \newcommand{\bidi@@patchcmd}[4][#####1]{%
2634   \bidi@ifpatchable#2{#3}
2635   {\bidi@dbg@succ{ret}%
2636     \begingroup
2637     \edef\bidi@resrvda{%
2638       \def\noexpand\bidi@resrvda####1\detokenize{macro:}####2->####3&{%
2639         #1\def\string\bidi@resrvda\space####2{\noexpand\bidi@resrvdb####3&}}}%
2640       \def\noexpand\bidi@resrvdb####1\detokenize{#3}####2&{%
2641         ####1\detokenize{#4}####2}%
2642       \edef\noexpand\bidi@resrvda{%
2643         \noexpand\bidi@resrvda\meaning#2&}}%
2644     \bidi@resrvda
2645     \bidi@patchcmd@scantoks\bidi@resrvda
2646     \let#2\bidi@resrvda
2647     \bidi@undef\bidi@resrvda
2648     \@firstoftwo}
2649   {\@secondoftwo}}
2650
2651 \def\bidi@patchcmd@scantoks#1{%

```



```

2652 \edef\bidi@resrvda{\endgroup
2653   \unexpanded{\makeatletter\scantokens}{#1}%
2654   \catcode\number`\@=\the\catcode`\@ \relax}%
2655   \bidi@resrvda}
2656
2657 \newcommand\bidi@isloaded[2][ ]{
2658   \expandafter\ifx\csname if@bidi@#2loaded@\endcsname\relax
2659   \expandafter\newif\csname if@bidi@#2loaded@\endcsname
2660   \fi
2661   \@ifpackageloaded{#2}
2662   {\csname @bidi@#2loaded@true\endcsname #1}
2663   {\csname @bidi@#2loaded@false\endcsname}}
2664
2665 \protected\def\bidi@ifscanable#1{%
2666   \begingroup
2667   \edef\bidi@resrvda{%
2668     \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2669       ####1\def\string\bidi@resrvda####2{####3}}}%
2670   \edef\noexpand\bidi@resrvda{\noexpand\bidi@resrvda\meaning#1&}}%
2671   \bidi@resrvda
2672   \makeatletter
2673   \scantokens\expandafter{\bidi@resrvda}%
2674   \expandafter\endgroup\ifx#1\bidi@resrvda
2675     \expandafter\@firstoftwo
2676   \else
2677     \expandafter\@secondoftwo
2678   \fi}
2679
2680
2681 \protected\long\def\bidi@ifhashcheck#1{%
2682   \begingroup
2683   \edef\bidi@resrvda{\detokenize{#1}}%
2684   \expandafter\endgroup
2685   \expandafter\bidi@ifhashcheck@i\meaning\bidi@resrvda&}
2686
2687 \edef\bidi@ifhashcheck@i#1{%
2688   \noexpand\expandafter
2689   \noexpand\bidi@ifhashcheck@ii
2690   \noexpand\strip@prefix#1\string#\string#&}
2691
2692 \edef\bidi@ifhashcheck@ii{%
2693   \def\noexpand\bidi@ifhashcheck@iii#1\string#\string###2&}
2694 \bidi@ifhashcheck@ii{\if@bidi@blank{#2}}
2695
2696
2697 \protected\long\def\bidi@ifpattern#1#2{%
2698   \begingroup
2699   \edef\bidi@resrvda{%
2700     \def\noexpand\bidi@resrvda####1\detokenize{#2}####2&{%
2701       \endgroup\noexpand\noexpand\noexpand\if@bidi@blank{####2}}}%

```



```

2702 \edef\noexpand\bidiresrvda{\noexpand\bidiresrvda
2703 \expandafter\strip@prefix\meaning#1\detokenize{#2}&}%
2704 \noexpand\bidiresrvda}
2705 \bidiresrvda\@secondoftwo\@firstoftwo}
2706
2707
2708 \newcommand{\if@bidi@defparam}{%
2709 \long\edef\if@bidi@defparam#1{%
2710 \noexpand\expandafter\noexpand\bidifdefparam
2711 \noexpand\meaning#1\detokenize{macro}:->&}
2712 \edef\bidifdefparam{%
2713 \def\noexpand\bidifdefparam##1\detokenize{macro}:##2->##3&}
2714 \bidifdefparam{\bidi@notblank{#2}}
2715
2716
2717 \newcommand{\if@bidi@defprotected}{%
2718 \long\edef\if@bidi@defprotected#1{%
2719 \noexpand\expandafter\noexpand\bidifdefprotected
2720 \noexpand\meaning#1\string\protected&}
2721 \edef\bidifdefprotected{%
2722 \def\noexpand\bidifdefprotected##1\string\protected##2&}
2723 \bidifdefprotected{\bidi@notblank{#2}}
2724
2725
2726 \bidi@newrobustcmd{\bidi@undef}[1]{\let#1\bidi@undefined}
2727
2728 \let\bidi@dbg@trce\@gobble
2729 \let\bidi@dbg@init\@gobble
2730 \let\bidi@dbg@info\@gobble
2731 \let\bidi@dbg@succ\@gobble
2732 \let\bidi@dbg@fail\@gobble
2733
2734
2735
2736 \bidi@newrobustcmd*{\bidi@apptocmd}{%
2737 \bidi@dbg@trce\bidi@apptocmd
2738 \begingroup
2739 \@makeother\#%
2740 \bidi@hooktocmd\bidi@append}
2741
2742
2743
2744 \bidi@newrobustcmd*{\bidi@pretocmd}{%
2745 \bidi@dbg@trce\bidi@pretocmd
2746 \begingroup
2747 \@makeother\#%
2748 \bidi@hooktocmd\bidi@prepend}
2749
2750 \long\def\bidi@hooktocmd#1#2#3{%
2751 \endgroup

```



```

2752 \bidi@dbg@init#2%
2753 \if@bidi@undef{#2}
2754 {\bidi@dbg@fail{def}\@secondoftwo}
2755 {\bidi@dbg@info{def}%
2756 \if@bidi@defmacro{#2}
2757 {\bidi@dbg@info{mac}%
2758 \if@bidi@defparam{#2}
2759 {\bidi@dbg@info{prm}%
2760 \bidi@ifscanable{#2}
2761 {\bidi@ifhashcheck{#3}
2762 {\bidi@dbg@info{tok}%
2763 \bidi@dbg@succ{ret}%
2764 \bidi@hooktocmd@i#1#2{#3}%
2765 \@firstoftwo}
2766 {\bidi@dbg@fail{hsh}\@secondoftwo}}
2767 {\bidi@dbg@fail{tok}\@secondoftwo}}
2768 {\bidi@dbg@info{prl}%
2769 \if@bidi@defprotected{#2}
2770 {\bidi@dbg@info{pro}%
2771 \bidi@dbg@succ{red}%
2772 \protected}
2773 {\bidi@dbg@succ{red}}}%
2774 \edef#2{#1{\bidi@expandonce#2}{\unexpanded{#3}}}%
2775 \@firstoftwo}}
2776 {\bidi@dbg@fail{mac}\@secondoftwo}}
2777
2778 \long\def\bidi@hooktocmd@i#1#2#3{%
2779 \begingroup
2780 \edef\bidi@resrvda{%
2781 \def\noexpand\bidi@resrvda####1\detokenize{macro}:####2->####3&{%
2782 ####1\def\string\bidi@resrvda\space####2{#1{####3}{\detokenize{#3}}}}}%
2783 \edef\noexpand\bidi@resrvda{%
2784 \noexpand\bidi@resrvda\meaning#2&}}%
2785 \bidi@resrvda
2786 \bidi@patchcmd@scantoks\bidi@resrvda
2787 \let#2\bidi@resrvda
2788 \bidi@undef\bidi@resrvda}
2789
2790 \long\def\bidi@append#1#2{#1#2}
2791 \long\def\bidi@prepend#1#2{#2#1}
2792
2793 \bidi@newrobustcmd*{\bidi@AtEndPreamble}{\bidi@gappto\bidi@endpreamblehook}
2794 \newcommand*{\bidi@endpreamblehook}{}
2795
2796 \bidi@preto\document{%
2797 \endgroup
2798 \let\bidi@AtEndPreamble\@firstofone
2799 \bidi@endpreamblehook
2800 \protected\def\bidi@AtEndPreamble{\@notprerr\@gobble}%
2801 \bidi@undef\bidi@endpreamblehook

```



```

2802 \begingroup}
2803
2804 \bidi@newrobustcmd*{\bidi@AfterPreamble}{\AtBeginDocument}
2805 \bidi@AtEndPreamble{\let\bidi@AfterPreamble\@firstofone}
2806
2807 \bidi@newrobustcmd*{\bidi@AfterEndPreamble}{\bidi@gappto\bidi@afterendpreamblehook}
2808 \newcommand*{\bidi@afterendpreamblehook}{}
2809
2810 \bidi@appto\document{%
2811   \let\bidi@AfterEndPreamble\@firstofone
2812   \bidi@afterendpreamblehook
2813   \protected\def\bidi@AfterEndPreamble{\@notprerr\@gobble}%
2814   \bidi@undef\bidi@afterendpreamblehook
2815   \ignorespaces}
2816
2817 \AtEndDocument{\let\bidi@AfterEndPreamble\@gobble}
2818
2819 \bidi@newrobustcmd*{\bidi@AfterEndDocument}{\bidi@gappto\bidi@afterendddocumenthook}
2820 \newcommand*{\bidi@afterendddocumenthook}{}
2821
2822 \bidi@patchcmd\enddocument
2823   {\deadcycles}
2824   {\let\bidi@AfterEndDocument\@firstofone
2825     \bidi@afterendddocumenthook
2826     \deadcycles}
2827   {}
2828   {\let\bidi@@end@@end
2829     \def@@end{%
2830       \let\bidi@AfterEndDocument\@firstofone
2831       \bidi@afterendddocumenthook
2832       \bidi@@end}}
2833
2834 \bidi@newrobustcmd{\bidi@AtBeginEnvironment}[1]{%
2835   \bidi@csgappto{\bidi@begin@#1@hook}}
2836
2837 \bidi@patchcmd\begin
2838   {\csname #1\endcsname}
2839   {\bidi@csuse{\bidi@begin@#1@hook}%
2840     \csname #1\endcsname}
2841   {}
2842   {\bidi@warning{%
2843     Patching '\string\begin' failed!\MessageBreak
2844     '\string\bidi@AtBeginEnvironment' will not work\@gobble}}
2845
2846
2847
2848 \bidi@newrobustcmd{\bidi@AtEndEnvironment}[1]{%
2849   \bidi@csgappto{\bidi@end@#1@hook}}
2850
2851 \bidi@patchcmd\end

```



```

2852 {\csname end#1\endcsname}
2853 {\bidi@csuse{@bidi@end@#1@hook}%
2854   \csname end#1\endcsname}
2855 {}
2856 {\bidi@warning{%
2857   Patching '\string\end' failed!\MessageBreak
2858   '\string\bidi@AtEndEnvironment' will not work\@gobble}}
2859
2860
2861
2862 \bidi@newrobustcmd{\bidi@BeforeBeginEnvironment}[1]{%
2863   \bidi@csgappto{@bidi@beforebegin@#1@hook}}
2864
2865 \bidi@pretocmd\begin
2866   {\bidi@csuse{@bidi@beforebegin@#1@hook}}
2867   {}
2868   {\bidi@warning{%
2869     Patching '\string\begin' failed!\MessageBreak
2870     '\string\bidi@BeforeBeginEnvironment' will not work\@gobble}}
2871
2872
2873
2874 \bidi@newrobustcmd{\bidi@AfterEndEnvironment}[1]{%
2875   \bidi@csgappto{@bidi@afterend@#1@hook}}
2876
2877 \bidi@patchcmd\end
2878   {\if@ignore}
2879   {\bidi@csuse{@bidi@afterend@#1@hook}%
2880    \if@ignore}
2881   {}
2882   {\bidi@warning{%
2883     Patching '\string\end' failed!\MessageBreak
2884     '\string\bidi@AfterEndEnvironment' will not work\@gobble}}

```

7.21 bidentuftefloat.sty

```

2885 \NeedsTeXFormat{LaTeX2e}
2886 \ProvidesPackage{bidentuftefloat}[2011/06/14 v0.1
2887 bidi implementation of tufte float]
2888 \RequirePackage{xifthen}
2889 \newcommand{\@bidentuftefloat@pkgname}{bidentuftefloat}
2890 \newcommand{\bidentuftefloatError}[2]{\PackageError{\@bidentuftefloat@pkgname}{#1}{#2}}
2891 \newcommand{\bidentuftefloatDebugInfoNL}[1]{\ifthenelse{\boolean{\bidentuftefloat@debug}}{\bident
2892 \newcommand{\bidentuftefloatInfoNL}[1]{\PackageInfo{\@bidentuftefloat@pkgname}{#1\@gobble}}
2893 \newboolean{\bidentuftefloat@RTLgeometry}
2894 \setboolean{\bidentuftefloat@RTLgeometry}{true}
2895 \DeclareOption{RTLgeometry}{\setboolean{\bidentuftefloat@RTLgeometry}{true}}
2896 \DeclareOption{LTRgeometry}{\setboolean{\bidentuftefloat@RTLgeometry}{false}}
2897 \newboolean{\bidentuftefloat@a4paper}
2898 \DeclareOption{a4paper}{\setboolean{\bidentuftefloat@a4paper}{true}}

```



```

2899 \newboolean{@biditytfloat@bfivepaper}
2900 \DeclareOption{b5paper}{\setboolean{@biditytfloat@bfivepaper}{true}}
2901 \newboolean{@biditytfloat@symmetric}
2902 \newboolean{@biditytfloat@twoside}
2903 \DeclareOption{twoside}{%
2904 \@twosidetrue \mparswitchtrue%
2905 \setboolean{@biditytfloat@twoside}{true}%
2906 \setboolean{@biditytfloat@symmetric}{true}%
2907 }
2908 \DeclareOption{oneside}{%
2909 \@twosidefalse \mparswitchfalse%
2910 \setboolean{@biditytfloat@twoside}{false}%
2911 \setboolean{@biditytfloat@symmetric}{false}%
2912 }
2913 \ifclassloaded{book}{\ExecuteOptions{twoside}}{}
2914 \newboolean{@biditytfloat@debug}
2915 \newcommand*{\@biditytfloat@caption@justification}{\@biditytfloat@justification@autodetect}
2916 \ProcessOptions
2917 %% Globally sets the length
2918 \newcommand*{\gsetlength}[2]{%
2919 \setlength{#1}{#2}%
2920 \global#1=#1\relax%
2921 }
2922 %% Globally sets a boolean
2923 \newcommand*{\gsetboolean}[2]{% based on code from ifthen pkg
2924 \lowercase{\def\@tempa{#2}}%
2925 \@ifundefined{@tempwa\@tempa}%
2926 {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
2927 {\@ifundefined{#1\@tempa}%
2928 {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
2929 {\global\csname#1\@tempa\endcsname}%
2930 }%
2931 }
2932 %% Set the font sizes and baselines to match biditytfloat's books
2933 \renewcommand\normalsize{%
2934 \@setfontsize\normalsize\@xpt{14}%
2935 \abovedisplayskip 10\p@ \@plus2\p@ \@minus5\p@
2936 \abovedisplayshortskip \z@ \@plus3\p@
2937 \belowdisplayshortskip 6\p@ \@plus3\p@ \@minus3\p@
2938 \belowdisplayskip \abovedisplayskip
2939 \let\@listi\@listI}
2940 \normalbaselineskip=14pt
2941 \normalsize
2942 \renewcommand\footnotesize{%
2943 \@setfontsize\footnotesize\@viipt{10}%
2944 \abovedisplayskip 6\p@ \@plus2\p@ \@minus4\p@
2945 \abovedisplayshortskip \z@ \@plus\p@
2946 \belowdisplayshortskip 3\p@ \@plus\p@ \@minus2\p@
2947 \def\@listi{\leftmargin\leftmarginI
2948 \topsep 3\p@ \@plus\p@ \@minus\p@

```




```

2949             \parsep 2\p@ \@plus\p@ \@minus\p@
2950             \itemsep \parsep}%
2951 \belowdisplayskip \abovedisplayskip
2952 }
2953 %% Paragraph indentation and separation for marginal text
2954 \newcommand{\@biditytfloat@margin@par}{%
2955   \setlength{\RaggedRightParindent}{0.5pc}%
2956   \setlength{\JustifyingParindent}{0.5pc}%
2957   \setlength{\parindent}{0.5pc}%
2958   \setlength{\parskip}{0pt}%
2959 }
2960 \RequirePackage{ragged2e}
2961 \ifthenelse{\boolean{@biditytfloat@RTLgeometry}}{%
2962 \RequirePackage[letterpaper, right=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginpars
2963 \ifthenelse{\boolean{@biditytfloat@a4paper}}{
2964   {\geometry{a4paper, right=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginpars
2965   }
2966 \ifthenelse{\boolean{@biditytfloat@b5paper}}{
2967   {\geometry{paperwidth=176mm, paperheight=250mm, right=14.66mm, top=13.88mm, textwidth=102.66mm, ma
2968   }}{%
2969 \RequirePackage[letterpaper, left=1in, top=1in, headsep=2\baselineskip, textwidth=26pc, marginpars
2970 \ifthenelse{\boolean{@biditytfloat@a4paper}}{
2971   {\geometry{a4paper, left=24.8mm, top=27.4mm, headsep=2\baselineskip, textwidth=107mm, marginpars
2972   }
2973 \ifthenelse{\boolean{@biditytfloat@b5paper}}{
2974   {\geometry{paperwidth=176mm, paperheight=250mm, left=14.66mm, top=13.88mm, textwidth=102.66mm, ma
2975   }}
2976 \ifthenelse{\boolean{@biditytfloat@symmetric}}{
2977   }
2978   {\geometry{asymmetric}}}% forces internal LaTeX `twoside'
2979 \setlength\marginparpush{10pt}
2980 %% Font for margin items
2981 \newcommand{\@biditytfloat@marginfont}{\normalfont\footnotesize}
2982 \newcommand*{\@biditytfloat@caption@font}{\@biditytfloat@marginfont}
2983 \newcommand*{\setcaptionfont}[1]{\renewcommand*{\@biditytfloat@caption@font}{#1}}
2984 \newcommand{\@biditytfloat@justification}{\justifying}%
2985 \setlength\abovedisplayskip{6pt plus 2pt minus 4pt}
2986 \setlength\belowdisplayskip{6pt plus 2pt minus 4pt}
2987 \newboolean{@biditytfloat@changepage}
2988 \IfFileExists{changepage.sty}{%
2989   \biditytfloatDebugInfoNL{Found changepage.sty}
2990   \RequirePackage[strict]{changepage}
2991   \setboolean{@biditytfloat@changepage}{true}
2992 }{%
2993   \biditytfloatDebugInfoNL{Found chngpage.sty}
2994   \RequirePackage[strict]{chngpage}
2995   \setboolean{@biditytfloat@changepage}{false}
2996 }
2997 \newboolean{@biditytfloat@odd@page}
2998 \setboolean{@biditytfloat@odd@page}{true}

```



```

2999 \newcommand*{\@biditytfloat@checkoddpag}{%
3000   \checkoddpag%
3001   \ifthenelse{\boolean{\@biditytfloat@changepag}}{\%
3002     \ifoddpag%
3003       \setboolean{\@biditytfloat@oddpag}{true}%
3004     \else%
3005       \setboolean{\@biditytfloat@oddpag}{false}%
3006     \fi%
3007   }%
3008   \ifcpoddpag%
3009     \setboolean{\@biditytfloat@oddpag}{true}%
3010   \else%
3011     \setboolean{\@biditytfloat@oddpag}{false}%
3012   \fi%
3013 }%
3014 }
3015 \newlength{\@biditytfloat@overhang}% used by the fullwidth environment and the running heads
3016 \newlength{\@biditytfloat@fullwidth}
3017 \newlength{\@biditytfloat@caption@fill}
3018 \newcommand{\@biditytfloatRecalculate}{%
3019   \setlength{\@biditytfloat@overhang}{\marginparwidth}
3020   \addtolength{\@biditytfloat@overhang}{\marginparsep}
3021
3022   \setlength{\@biditytfloat@fullwidth}{\textwidth}
3023   \addtolength{\@biditytfloat@fullwidth}{\marginparsep}
3024   \addtolength{\@biditytfloat@fullwidth}{\marginparwidth}
3025
3026   \setlength{\@biditytfloat@caption@fill}{\textwidth}
3027   \addtolength{\@biditytfloat@caption@fill}{\marginparsep}
3028 }
3029 \AtBeginDocument{\@biditytfloatRecalculate}
3030 \RequirePackage{optparams}% provides multiple optional arguments for commands
3031 \RequirePackage{placeins}
3032 \newsavebox{\@biditytfloat@margin@floatbox}
3033 \newenvironment{\@biditytfloat@margin@float}[2][-1.2ex]%
3034 {\FloatBarrier% process all floats before this point so the figure/table numbers stay in order.
3035 \begin{lrbox}{\@biditytfloat@margin@floatbox}%
3036 \begin{minipage}{\marginparwidth}%
3037   \@biditytfloat@caption@font%
3038   \def\@capttype{#2}%
3039   \hbox{\vspace*{#1}%
3040     \@biditytfloat@caption@justification%
3041     \@biditytfloat@margin@par%
3042     \noindent%
3043   }
3044   {\end{minipage}%
3045   \end{lrbox}%
3046   \marginpar{\usebox{\@biditytfloat@margin@floatbox}}%
3047 }
3048 \newenvironment{marginfigure}[1][-1.2ex]%

```



```

3049 {\begin{@biditytfloat@margin@float}[#1]{figure}}
3050 {\end{@biditytfloat@margin@float}}
3051 \newenvironment{margintable}[1][-1.2ex]%
3052 {\begin{@biditytfloat@margin@float}[#1]{table}}
3053 {\end{@biditytfloat@margin@float}}
3054 \newcommand*{\@biditytfloat@justification@autodetect}{\justifying}%
3055
3056 \newcommand{\@biditytfloat@float@debug@info}{}% contains debug info generated as the float is p
3057 \newcommand{\@biditytfloat@float@debug}[1]{% adds debug info to the queue for output
3058 \ifthenelse{\equal{\@biditytfloat@float@debug@info}{}}%
3059 {\def\@biditytfloat@float@debug@info{#1}}%
3060 {\gaddto@macro\@biditytfloat@float@debug@info{\MessageBreak#1}}%
3061 }
3062 \newcommand{\floatalignment}{x}% holds the current float alignment (t, b, h, p)
3063 \newcommand{\setfloatalignment}[1]{\global\def\floatalignment{#1}\@biditytfloat@float@debug{
3064 \newboolean{@biditytfloat@float@recto}
3065 \newcommand{\forcerectofloat}{\gsetboolean{@biditytfloat@float@recto}{true}\@biditytfloat@
3066 \newcommand{\forceversofloat}{\gsetboolean{@biditytfloat@float@recto}{false}\@biditytfloat@
3067 \newsavebox{\@biditytfloat@figure@box}
3068 \newsavebox{\@biditytfloat@caption@box}
3069 \let\@biditytfloat@orig@float\float
3070 \let\@biditytfloat@orig@endfloat\endfloat
3071 \newlength{\@biditytfloat@caption@vertical@offset}
3072 \setlength{\@biditytfloat@caption@vertical@offset}{0pt}
3073 \newcommand{\@biditytfloat@stored@shortcaption}{%
3074 \newcommand{\@biditytfloat@stored@caption}{%
3075 \newcommand{\@biditytfloat@stored@label}{%
3076 \long\def\@biditytfloat@caption[#1][#2]#3{%
3077 \ifthenelse{\isempty{#1}}%
3078 {\gdef\@biditytfloat@stored@shortcaption{#3}}%
3079 {\gdef\@biditytfloat@stored@shortcaption{#1}}%
3080 \gsetlength{\@biditytfloat@caption@vertical@offset}{-#2}% we want a positive offset to lower
3081 \gdef\@biditytfloat@stored@caption{#3}%
3082 }
3083 \newcommand{\@biditytfloat@label}[1]{%
3084 \gdef\@biditytfloat@stored@label{#1}%
3085 }
3086 \newcommand{\@biditytfloat@fps}{%
3087 \newboolean{@biditytfloat@float@star}
3088 \newlength{\@biditytfloat@float@contents@width}
3089 \newenvironment{@biditytfloat@float}[3][htbp]%
3090 {% begin @biditytfloat@float
3091 % Should this float be full-width or just text-width?
3092 \ifthenelse{\equal{#3}{star}}%
3093 {\gsetboolean{@biditytfloat@float@star}{true}}%
3094 {\gsetboolean{@biditytfloat@float@star}{false}}%
3095 % Check page side (recto/verso) and store detected value -- can be overridden in environment cont
3096 \@biditytfloat@checkoddpage%
3097 \ifthenelse{\boolean{@biditytfloat@odd@page}}%
3098 {\gsetboolean{@biditytfloat@float@recto}{true}\@biditytfloat@float@debug{Detected page

```



```

3099 {\gsetboolean{@biditytfloat@float@recto}{false}\@biditytfloat@float@debug{Detected pag
3100 % If the float placement specifier is 'b' and only 'b', then bottom-align the mini-pages, otherw
3101 \renewcommand{\@biditytfloat@float@fps}{#1}%
3102 \@biditytfloat@float@debug{Allowed positions: [#1]}%
3103 \ifthenelse{\equal{#1}{b}\OR\equal{#1}{B}}%
3104 {\renewcommand{\floatalignment}{b}\@biditytfloat@float@debug{Presumed position: [bottom]}%
3105 {\renewcommand{\floatalignment}{t}\@biditytfloat@float@debug{Presumed position: [top]}}%
3106 % Capture the contents of the \caption and \label commands to use later
3107 \global\let\@biditytfloat@orig@caption\caption%
3108 \global\let\@biditytfloat@orig@label\label%
3109 \renewcommand{\caption}{\optparams{\@biditytfloat@caption}{[Opt]}}%
3110 \renewcommand{\label}[1]{\@biditytfloat@label{##1}}%
3111 % Handle subfigure package compatibility
3112 \ifthenelse{\boolean{@biditytfloat@packages@subfigure}}{%
3113 % don't move the label while inside a \subfigure or \subtable command
3114 \global\let\label\@biditytfloat@orig@label%
3115 }{}% subfigure package is not loaded
3116 \@biditytfloat@orig@float{#2}[#1]%
3117 \ifthenelse{\boolean{@biditytfloat@float@star}}%
3118 {\setlength{\@biditytfloat@float@contents@width}{\@biditytfloat@fullwidth}}%
3119 {\setlength{\@biditytfloat@float@contents@width}{\textwidth}}%
3120 \begin{lrbox}{\@biditytfloat@figure@box}%
3121 \begin{minipage}[\floatalignment]{\@biditytfloat@float@contents@width}\hbox{}%
3122 }{}% end @biditytfloat@float
3123 \par\hbox{}\vspace{-\baselineskip}\ifthenelse{\prevdepth>0}{\vspace{-\prevdepth}}{}% align
3124 \end{minipage}%
3125 \end{lrbox}%
3126 % build the caption box
3127 \begin{lrbox}{\@biditytfloat@caption@box}%
3128 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{}%
3129 \ifthenelse{\NOT\equal{\@biditytfloat@stored@caption}{}}{\@biditytfloat@orig@caption
3130 \ifthenelse{\NOT\equal{\@biditytfloat@stored@label}{}}{\@biditytfloat@orig@label{\@b
3131 \par\vspace{-\prevdepth}}% TODO: DOUBLE-CHECK FOR SAFETY
3132 \end{minipage}%
3133 \end{lrbox}%
3134 % now typeset the stored boxes
3135 \begin{fullwidth}%
3136 \begin{minipage}[\floatalignment]{\linewidth}%
3137 \ifthenelse{\boolean{@biditytfloat@float@star}}%
3138 {\@biditytfloat@float@fullwidth[\@biditytfloat@caption@vertical@offset]{\@biditytfe
3139 {\@biditytfloat@float@textwidth[\@biditytfloat@caption@vertical@offset]{\@biditytfe
3140 \end{minipage}%
3141 \end{fullwidth}%
3142 \@biditytfloat@orig@endfloat% end original LaTeX float environment
3143 % output debug info
3144 \ifthenelse{\boolean{@biditytfloat@debug}}{%
3145 \typeout{^^J^^J----- biditytfloat package float information -----}%
3146 \ifthenelse{\equal{\@biditytfloat@stored@label}{}}%
3147 {\typeout{Warning: Float unlabeled!}}%
3148 {\typeout{Float label: [\@biditytfloat@stored@label]}}%

```



```

3149 \typeout{Page number: [\thepage]]}%
3150 \def\MessageBreak{^^J}%
3151 \typeout{\@biditytfloat@float@debug@info}%
3152 \ifthenelse{\boolean{@biditytfloat@symmetric}}{%
3153   {\typeout{Symmetric: [true]}}}%
3154   {\typeout{Symmetric: [false]}}}%
3155 \typeout{-----^^J^^J}%
3156 }}%
3157 % reset commands and temp boxes and captions
3158 \gdef\@biditytfloat@float@debug@info{}%
3159 \let\caption\@biditytfloat@orig@caption%
3160 \let\label\@biditytfloat@orig@label%
3161 \begin{lrbox}{\@biditytfloat@figure@box}\hbox{}\end{lrbox}%
3162 \begin{lrbox}{\@biditytfloat@caption@box}\hbox{}\end{lrbox}%
3163 \gdef\@biditytfloat@stored@shortcaption{}%
3164 \gdef\@biditytfloat@stored@caption{}%
3165 \gdef\@biditytfloat@stored@label{}%
3166 \gsetlength{\@biditytfloat@caption@vertical@offset}{0pt}% reset caption offset
3167 }
3168 \newcommand{\@biditytfloat@float@textwidth}[3][Opt]{%
3169 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}OR\boolean{@biditytfloat@float@recto}}%
3170 % asymmetric or page is odd, so caption is on the right
3171 \hbox{%
3172   \usebox{#2}%
3173   \hspace{\marginparsep}%
3174   \smash{\raisebox{#1}{\usebox{#3}}}%
3175 }
3176 \@biditytfloat@float@debug{Caption position: [right]]}%
3177 }{% symmetric pages and page is even, so caption is on the left
3178 \hbox{%
3179   \smash{\raisebox{#1}{\usebox{#3}}}%
3180   \hspace{\marginparsep}%
3181   \usebox{#2}%
3182 }
3183 \@biditytfloat@float@debug{Caption position: [left]]}%
3184 }%
3185 }
3186 \newcommand{\@biditytfloat@float@fullwidth}[3][Opt]{%
3187 \ifthenelse{\equal{\floatalignment}{b}}{%
3188   {% place caption above figure
3189   \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}OR\boolean{@biditytfloat@float@recto}}%
3190   {\hfill\smash{\raisebox{#1}{\usebox{#3}}}\par\usebox{#2}\@biditytfloat@float@debug{Caption position: [above]}}%
3191   {\smash{\raisebox{#1}{\usebox{#3}}}\hfill\par\usebox{#2}\@biditytfloat@float@debug{Caption position: [above]}}%
3192 }{% place caption below figure
3193 \ifthenelse{\NOT\boolean{@biditytfloat@symmetric}}OR\boolean{@biditytfloat@float@recto}}%
3194 {\usebox{#2}\par\hfill\smash{\raisebox{#1}{\usebox{#3}}}\@biditytfloat@float@debug{Caption position: [below]}}%
3195 {\usebox{#2}\par\smash{\raisebox{#1}{\usebox{#3}}}\hfill\@biditytfloat@float@debug{Caption position: [below]}}%
3196 }%
3197 }
3198 \renewenvironment{figure}[1][http]%

```



```

3199 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{}}
3200 {\end{@biditytfloat@float}}
3201 \renewenvironment{table}[1][htbp]
3202 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{}}
3203 {\end{@biditytfloat@float}}
3204 \renewenvironment{figure*}[1][htbp]%
3205 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{figure}{star}}
3206 {\end{@biditytfloat@float}}
3207 \renewenvironment{table*}[1][htbp]%
3208 {\ifvmode\else\unskip\fi\begin{@biditytfloat@float}[#1]{table}{star}}
3209 {\end{@biditytfloat@float}}
3210 \newenvironment{fullwidth}
3211 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
3212 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\begin{adjustwidth*}{- \@biditytfloat@overhang}}%
3213 {\begin{adjustwidth*}{- \@biditytfloat@overhang}}}%
3214 }%
3215 {\ifthenelse{\boolean{@biditytfloat@symmetric}}%
3216 {\ifthenelse{\boolean{@biditytfloat@changepage}}{\end{adjustwidth*}}{\end{adjustwidth*}}}%
3217 {\end{adjustwidth*}}%
3218 }
3219 \long\def\@caption#1[#2]#3{%
3220 \par%
3221 \addcontentsline{\csname ext@#1\endcsname}{#1}%
3222 {\protect\numberline{\csname the#1\endcsname}{\ignorespaces #2}}%
3223 \begingroup%
3224 \@parboxrestore%
3225 \if@minipage%
3226 \setminipage%
3227 \fi%
3228 \@biditytfloat@caption@font\@biditytfloat@caption@justification%
3229 \noindent\csname fnum@#1\endcsname: \ignorespaces#3\par%
3230 %\@makecaption{\csname fnum@#1\endcsname}{\ignorespaces #3}\par
3231 \endgroup}
3232 %%
3233 % Turns newlines into spaces. Based on code from the 'titlesec' package.
3234 \DeclareRobustCommand{\@biditytfloat@newlinetospace}{%
3235 \@ifstar{\@biditytfloat@newlinetospace@i}{\@biditytfloat@newlinetospace@i}%
3236 }
3237 \def\@biditytfloat@newlinetospace@i{%
3238 \ifdim\lastskip>\z@\else\space\fi
3239 \ignorespaces%
3240 }
3241 \DeclareRobustCommand{\newlinetospace}[1]{%
3242 \let\@biditytfloat@orig@cr\\% save the original meaning of \\
3243 \def\\{\@biditytfloat@newlinetospace}% turn \\ and \\* into \space
3244 \let\newline\\% turn \newline into \space
3245 #1%
3246 \let\\\@biditytfloat@orig@cr% revert to original meaning of \\
3247 }
3248 \RequirePackage{fancyhdr}

```



```

3249 \pagestyle{fancy}
3250 \AtBeginDocument{%
3251   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
3252     {\fancyhfoffset[LE,RO]{\@bidituftefloat@overhang}}
3253     {\fancyhfoffset[RE,RO]{\@bidituftefloat@overhang}}
3254 }
3255 % The running heads/feet don't have rules
3256 \renewcommand{\headrulewidth}{0pt}
3257 \renewcommand{\footrulewidth}{0pt}
3258 % The 'fancy' page style is the default style for all pages.
3259 \fancyhf{} % clear header and footer fields
3260   \ifthenelse{\boolean{@bidituftefloat@symmetric}}
3261     {\fancyhead[LE]{\thepage\quad\textsl{\newlinetospace{\plainauthor}}}%
3262     \fancyhead[RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3263     {\fancyhead[RE,RO]{\textsl{\newlinetospace{\plaintitle}}\quad\thepage}}%
3264 % The 'plain' page style is used on chapter opening pages.
3265 % In Tufte's /Beautiful Evidence/ he never puts page numbers at the
3266 % bottom of pages -- the folios are unexpressed.
3267 \fancypagestyle{plain}{
3268   \fancyhf{} % clear header and footer fields
3269   % Uncomment the following five lines of code if you want the opening page
3270   % of the chapter to express the folio in the lower outside corner.
3271   % \ifthenelse{\boolean{@bidituftefloat@symmetric}}
3272   %   {\fancyfoot[LE,RO]{\thepage}}
3273   %   {\fancyfoot[RE,RO]{\thepage}}
3274 }
3275 % The 'empty' page style suppresses all headers and footers.
3276 % It's used on title pages and 'intentionally blank' pages.
3277 \fancypagestyle{empty}{
3278   \fancyhf{} % clear header and footer fields
3279 }
3280 \def\morefloats{% provides a total of 52 floats
3281   \ifthenelse{\isundefined{\bx@S}}{%
3282     \bidituftefloatDebugInfoNL{Adding 34 more float slots.}
3283     \newinsert\bx@S
3284     \newinsert\bx@T
3285     \newinsert\bx@U
3286     \newinsert\bx@V
3287     \newinsert\bx@W
3288     \newinsert\bx@X
3289     \newinsert\bx@Y
3290     \newinsert\bx@Z
3291     \newinsert\bx@a
3292     \newinsert\bx@b
3293     \newinsert\bx@c
3294     \newinsert\bx@d
3295     \newinsert\bx@e
3296     \newinsert\bx@f
3297     \newinsert\bx@g
3298     \newinsert\bx@h

```



```

3299 \newinsert\bx@i
3300 \newinsert\bx@j
3301 \newinsert\bx@k
3302 \newinsert\bx@l
3303 \newinsert\bx@m
3304 \newinsert\bx@n
3305 \newinsert\bx@o
3306 \newinsert\bx@p
3307 \newinsert\bx@q
3308 \newinsert\bx@r
3309 \newinsert\bx@s
3310 \newinsert\bx@t
3311 \newinsert\bx@u
3312 \newinsert\bx@v
3313 \newinsert\bx@w
3314 \newinsert\bx@x
3315 \newinsert\bx@y
3316 \newinsert\bx@z
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 }{% we've already added another 34 floats, so we'll add 26 more, but that's it!
3330 \ifthenelse{isundefined{\bx@AA}}{%
3331 \bidituftefloatDebugInfoNL{Adding 26 more float slots.}
3332 \newinsert\bx@AA
3333 \newinsert\bx@BB
3334 \newinsert\bx@CC
3335 \newinsert\bx@DD
3336 \newinsert\bx@EE
3337 \newinsert\bx@FF
3338 \newinsert\bx@GG
3339 \newinsert\bx@HH
3340 \newinsert\bx@II
3341 \newinsert\bx@JJ
3342 \newinsert\bx@KK
3343 \newinsert\bx@LL
3344 \newinsert\bx@MM
3345 \newinsert\bx@NN
3346 \newinsert\bx@OO
3347 \newinsert\bx@PP
3348 \newinsert\bx@QQ

```




```

3349 \newinsert\bx@RR
3350 \newinsert\bx@SS
3351 \newinsert\bx@TT
3352 \newinsert\bx@UU
3353 \newinsert\bx@VV
3354 \newinsert\bx@WW
3355 \newinsert\bx@XX
3356 \newinsert\bx@YY
3357 \newinsert\bx@ZZ
3358 \gdef\@freelist{\@elt\bx@A\@elt\bx@B\@elt\bx@C\@elt\bx@D\@elt\bx@E
3359 \@elt\bx@F\@elt\bx@G\@elt\bx@H\@elt\bx@I\@elt\bx@J
3360 \@elt\bx@K\@elt\bx@L\@elt\bx@M\@elt\bx@N
3361 \@elt\bx@O\@elt\bx@P\@elt\bx@Q\@elt\bx@R
3362 \@elt\bx@S\@elt\bx@T\@elt\bx@U\@elt\bx@V
3363 \@elt\bx@W\@elt\bx@X\@elt\bx@Y\@elt\bx@Z
3364 \@elt\bx@a\@elt\bx@b\@elt\bx@c\@elt\bx@d\@elt\bx@e
3365 \@elt\bx@f\@elt\bx@g\@elt\bx@h\@elt\bx@i\@elt\bx@j
3366 \@elt\bx@k\@elt\bx@l\@elt\bx@m\@elt\bx@n
3367 \@elt\bx@o\@elt\bx@p\@elt\bx@q\@elt\bx@r
3368 \@elt\bx@s\@elt\bx@t\@elt\bx@u\@elt\bx@v
3369 \@elt\bx@w\@elt\bx@x\@elt\bx@y\@elt\bx@z
3370 \@elt\bx@AA\@elt\bx@BB\@elt\bx@CC\@elt\bx@DD\@elt\bx@EE
3371 \@elt\bx@FF\@elt\bx@GG\@elt\bx@HH\@elt\bx@II\@elt\bx@JJ
3372 \@elt\bx@KK\@elt\bx@LL\@elt\bx@MM\@elt\bx@NN
3373 \@elt\bx@OO\@elt\bx@PP\@elt\bx@QQ\@elt\bx@RR
3374 \@elt\bx@SS\@elt\bx@TT\@elt\bx@UU\@elt\bx@VV
3375 \@elt\bx@WW\@elt\bx@XX\@elt\bx@YY\@elt\bx@ZZ}%
3376 }{%
3377 \biditytfloatError{You may only call \string\morefloats\space twice. See the\MessageBreak
3378 {There are already 78 float slots allocated. Try using \string\FloatBarrier\space or\MessageBreak
3379 }%
3380 }%
3381 }
3382 \newboolean{@biditytfloat@packages@subfigure}
3383 \setboolean{@biditytfloat@packages@subfigure}{false}
3384 \AtBeginDocument{%
3385 \ifpackageloaded{subfigure}
3386 {\gsetboolean{@biditytfloat@packages@subfigure}{true}}
3387 {\gsetboolean{@biditytfloat@packages@subfigure}{false}}%
3388 }
3389 \AtBeginDocument{%
3390 \ifpackageloaded{float}{%
3391 % Save the redefined float environment (instead of the LaTeX float environment)
3392 \let\@biditytfloat@orig@float\@float
3393 \let\@biditytfloat@orig@endfloat\endfloat
3394
3395 % Define Tuftian float styles (with the caption in the margin)
3396 \newcommand{\floatc@biditytfloatplain}[2]{%
3397 \begin{lrbox}{\@biditytfloat@caption@box}%
3398 \begin{minipage}[\floatalignment]{\marginparwidth}\hbox{%

```



```

3399         \@bidituftefloat@caption@font{\@fs@cfont #1:} #2\par%
3400     \end{minipage}%
3401     \end{lrbox}%
3402     \smash{\hspace{\@bidituftefloat@caption@fill}}\usebox{\@bidituftefloat@caption@box}}%
3403 }
3404 \newcommand{\fs@bidituftefloatplain}{%
3405     \def\@fs@cfont{\@bidituftefloat@caption@font}%
3406     \let\@fs@capt\floatc@bidituftefloatplain%
3407     \def\@fs@pre{%
3408     \def\@fs@post{%
3409     \def\@fs@mid{%
3410     \let\@fs@iftopcapt\iftrue%
3411 }
3412 \let\fs@bidituftefloatplaintop=\fs@bidituftefloatplain
3413 \let\floatc@bidituftefloatplaintop=\floatc@bidituftefloatplain
3414 \newcommand\floatc@bidituftefloatruled[2]{%
3415     {\@fs@cfont #1} #2\par%
3416 }
3417 \newcommand\fs@bidituftefloatruled{%
3418     \def\@fs@cfont{\@bidituftefloat@caption@font}%
3419     \let\@fs@capt\floatc@bidituftefloatplain%
3420     \def\@fs@pre{\hrule height.8pt depth0pt width\textwidth \kern2pt}%
3421     \def\@fs@post{\kern2pt\hrule width\textwidth\relax}%
3422     \def\@fs@mid{%
3423     \let\@fs@iftopcapt\iftrue%
3424 }
3425 \newcommand\fs@bidituftefloatboxed{%
3426     \def\@fs@cfont{}%
3427     \let\@fs@capt\floatc@bidituftefloatplain%
3428     \def\@fs@pre{%
3429         \setbox\@currbox\ vbox{\hbadness10000
3430         \moveleft3.4pt\ vbox{\advance\hsize by6.8pt
3431         \hrule \hbox to\hsize{\vrule\kern3pt
3432         \vbox{\kern3pt\box\@currbox\kern3pt}\kern3pt\vrule}\hrule}}
3433     }%
3434     \def\@fs@mid{\kern2pt}%
3435     \def\@fs@post{}%
3436     \let\@fs@iftopcapt\iftrue%
3437 }
3438 }{%
3439     % Nothing to do
3440 }
3441 }
3442 \AtBeginDocument{%
3443     \@ifpackageloaded{algorithm}{%
3444         % Set the float style to the Tufte version
3445     \ifthenelse{\equal{\ALG@floatstyle}{plain}\OR\equal{\ALG@floatstyle}{ruled}\OR\equal{\ALG@floatstyle}{boxed}}{}{
3446         \bidituftefloatInfoNL{Switching algorithm float style from \ALG@floatstyle\MessageBreak to \fs@bidituftefloatstyle}%
3447         \floatstyle{bidituftefloat\ALG@floatstyle}%
3448         \restylefloat{algorithm}%

```



```

3449 }{}%
3450 }{%
3451 % Nothing to do
3452 }
3453 }
3454 \PassOptionsToPackage{caption=false}{subfig}

```

7.22 bidentuftsidenote.sty

```

3455 \NeedsTeXFormat{LaTeX2e}
3456 \ProvidesPackage{bidentuftsidenote}[2014/12/28 v0.2
3457 bidi implementation of tufte sidenote]
3458 \RequirePackage{xifthen}
3459 \RequirePackage{ragged2e}
3460 \RequirePackage{setspace}
3461 \RequirePackage{hopatch}
3462 \def\bidentuftsidenotemarginpar{%
3463   \ifhmode
3464     \@bsphack
3465     \@floatpenalty -\@Mii
3466   \else
3467     \@floatpenalty -\@Miii
3468   \fi
3469   \ifinner
3470     \@parmoderr
3471     \@floatpenalty\z@
3472   \else
3473     \@next\@currbox\@freelist{}{}%
3474     \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
3475     {\@floatpenalty\z@
3476       \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}}%
3477   \fi
3478   \@ifnextchar [\@bidentuftsidenotexmpar\@bidentuftsidenoteympar}
3479 \long\def\@bidentuftsidenotexmpar[#1]#2{%
3480   \@bidentuftsidenotesavemarbox\@marbox{#1}%
3481   \@bidentuftsidenotesavemarbox\@currbox{#2}%
3482   \@xympar}
3483 \long\def\@bidentuftsidenoteympar#1{%
3484   \@bidentuftsidenotesavemarbox\@marbox{#1}%
3485   \global\setbox\@currbox\copy\@marbox
3486   \@xympar}
3487 \long\def \@bidentuftsidenotesavemarbox #1#2{%
3488   \global\setbox #1%
3489     \color@vbox
3490     \vtop{%
3491       \hsize\marginparwidth
3492       \@parboxrestore
3493       \@bidentuftsidenotemarginparreset
3494       #2%
3495       \@minipagefalse

```



```

3496         \outer@nobreak
3497     }%
3498     \color@endbox
3499 }
3500 \def \@bidiuftesidenotemarginparreset {%
3501     \reset@font
3502     \normalsize
3503     \@minipagetrue
3504     \everypar{\@minipagefalse\everypar{}\if@RTL@footnote\beginR\else\beginL\fi}%
3505 }
3506 \def \LTRbidiuftesidenotemarginpar{%
3507     \ifhmode
3508         \@bsphack
3509         \@floatpenalty -\@Mii
3510     \else
3511         \@floatpenalty -\@Miii
3512     \fi
3513     \ifinner
3514         \@parmoderr
3515         \@floatpenalty\z@
3516     \else
3517         \@next\@currbox\@freelist{}\}%
3518         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
3519         {\@floatpenalty\z@
3520         \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
3521     \fi
3522     \@ifnextchar [\@LTRbidiuftesidenotexmpar\@LTRbidiuftesidenoteypar}
3523 \long\def \@LTRbidiuftesidenotexmpar[#1]#2{%
3524     \@LTRbidiuftesidenotesavemarbox\@marbox{#1}%
3525     \@LTRbidiuftesidenotesavemarbox\@currbox{#2}%
3526     \@xympar}
3527 \long\def \@LTRbidiuftesidenoteypar#1{%
3528     \@LTRbidiuftesidenotesavemarbox\@marbox{#1}%
3529     \global\setbox\@currbox\copy\@marbox
3530     \@xympar}
3531 \long\def \@LTRbidiuftesidenotesavemarbox #1#2{%
3532     \global\setbox #1%
3533         \color@vbox
3534         \vtop{%
3535             \hsize\marginparwidth
3536             \@parboxrestore
3537             \@LTRbidiuftesidenotemarginparreset
3538             #2%
3539             \@minipagefalse
3540             \outer@nobreak
3541         }%
3542     \color@endbox
3543 }
3544 \def \@LTRbidiuftesidenotemarginparreset {%
3545     \reset@font

```



```

3546      \normalsize
3547      \@minipagetrue
3548      \everypar{\@minipagefalse\everypar{}\beginL}%
3549  }
3550  \def\RTLbidityftesidenotemarginpar{%
3551    \ifhmode
3552      \bsphack
3553      \@floatpenalty -\@Mii
3554    \else
3555      \@floatpenalty-\@Miii
3556    \fi
3557    \ifinner
3558      \@parmoderr
3559      \@floatpenalty\z@
3560    \else
3561      \@next\@currbox\@freelist{}\{}%
3562      \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
3563      {\@floatpenalty\z@
3564        \fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
3565    \fi
3566    \@ifnextchar [\@RTLbidityftesidenotexmpar\@RTLbidityftesidenoteypar}
3567  \long\def\@RTLbidityftesidenotexmpar[#1]#2{%
3568    \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
3569    \@RTLbidityftesidenotesavemarbox\@currbox{#2}%
3570    \@xympar}
3571  \long\def\@RTLbidityftesidenoteypar#1{%
3572    \@RTLbidityftesidenotesavemarbox\@marbox{#1}%
3573    \global\setbox\@currbox\copy\@marbox
3574    \@xympar}
3575  \long\def \@RTLbidityftesidenotesavemarbox #1#2{%
3576    \global\setbox #1%
3577      \color@vbox
3578      \vtop{%
3579        \hsize\marginparwidth
3580        \@parboxrestore
3581        \@RTLbidityftesidenotemarginparreset
3582        #2%
3583        \@minipagefalse
3584        \outer@nobreak
3585      }%
3586    \color@endbox
3587  }
3588  \def \@RTLbidityftesidenotemarginparreset {%
3589    \reset@font
3590    \normalsize
3591    \@minipagetrue
3592    \everypar{\@minipagefalse\everypar{}\beginR}%
3593  }
3594  \newcommand{\@bidityftesidenote@marginfont}{\normalfont\footnotesize}
3595  \newcommand*{\@bidityftesidenote@sidenote@font}{\@bidityftesidenote@marginfont}

```



```

3596 \newcommand*{\@bidiuftesidenote@marginnote@font}{\@bidiuftesidenote@marginfont}
3597 \newcommand*{\@bidiuftesidenote@citation@font}{\@bidiuftesidenote@marginfont}
3598 \newcommand*{\@bidiuftesidenote@LTRsidenote@citation@font}{\@bidiuftesidenote@marginfont}
3599 \newcommand*{\setsidenotefont}[1]{\renewcommand*{\@bidiuftesidenote@sidenote@font}{#1}}
3600 \newcommand*{\setmarginnotefont}[1]{\renewcommand*{\@bidiuftesidenote@marginnote@font}{#1}}
3601 \newcommand*{\setcitationfont}[1]{\renewcommand*{\@bidiuftesidenote@citation@font}{#1}}
3602 \newcommand*{\setLTRcitationfont}[1]{\renewcommand*{\@bidiuftesidenote@LTRsidenote@citation@font}{#1}}
3603 \newcommand*{\@bidiuftesidenote@sidenote@justification}{\@bidiuftesidenote@justification@aut}
3604 \newcommand*{\@bidiuftesidenote@marginnote@justification}{\@bidiuftesidenote@justification@aut}
3605 \newcommand*{\@bidiuftesidenote@citation@justification}{\@bidiuftesidenote@justification@aut}
3606 \newcommand*{\@bidiuftesidenote@justification@autodetect}{\justifying}%
3607 \newcommand{\@bidiuftesidenote@margin@par}{%
3608   \setlength{\RaggedRightParindent}{0.5pc}%
3609   \setlength{\JustifyingParindent}{0.5pc}%
3610   \setlength{\parindent}{0.5pc}%
3611   \setlength{\parskip}{0pt}%
3612 }
3613 %%
3614 % Globally sets the length
3615 \@ifundefined{gsetlength}{%
3616 \newcommand*{gsetlength}[2]{%
3617   \setlength{#1}{#2}%
3618   \global#1=#1\relax%
3619 }%
3620 }{}
3621 %%
3622 % Globally sets a boolean
3623 \@ifundefined{gsetboolean}{%
3624 \newcommand*{gsetboolean}[2]{% based on code from ifthen pkg
3625   \lowercase{\def\@tempa{#2}}%
3626   \@ifundefined{@tempswa\@tempa}%
3627   {\PackageError{ifthen}{You can only set a boolean to `true' or `false'}\@ehc}%
3628   {\@ifundefined{#1\@tempa}%
3629     {\PackageError{ifthen}{Boolean #1 undefined}\@ehc}%
3630     {\global\csname#1\@tempa\endcsname}%
3631   }%
3632 }%
3633 }{}
3634 %%
3635 % A function that removes leading and trailing spaces from the supplied macro.
3636 % Based on code written by Michael Downes (See ``Around the Bend'', #15.)
3637 % Executing \@bidiuftesidenote@trim@spaces\xyzzy will result in the contents of \xyzzy
3638 % being trimmed of leading and trailing white space.
3639 \catcode`\Q=3
3640 \def\@bidiuftesidenote@trim@spaces#1{%
3641   % Use grouping to emulate a multi-token afterassignment queue
3642   \begingroup%
3643   % Put \toks 0 {' into the afterassignment queue
3644   \aftergroup\toks\aftergroup0\aftergroup%
3645   % Apply \trimb to the replacement text of #1, adding a leading

```



```

3646 % \noexpand to prevent brace stripping and to serve another purpose
3647 % later.
3648 \expandafter\@bidityftesidenote@trim@b\expandafter\noexpand#1Q Q}%
3649 % Transfer the trimmed text back into #1.
3650 \edef#1{\the\toks0}%
3651 }
3652 % \trimb removes a trailing space if present, then calls \@bidityftesidenote@trim@c to
3653 % clean up any leftover bizarre Qs, and trim a leading space. In
3654 % order for \trimc to work properly we need to put back a Q first.
3655 \def\@bidityftesidenote@trim@b#1 Q{\@bidityftesidenote@trim@c#1Q}
3656 % Execute \vfuzz assignment to remove leading space; the \noexpand
3657 % will now prevent unwanted expansion of a macro or other expandable
3658 % token at the beginning of the trimmed text. The \endgroup will feed
3659 % in the \aftergroup tokens after the \vfuzz assignment is completed.
3660 \def\@bidityftesidenote@trim@c#1Q#2{\afterassignment\endgroup \vfuzz\the\vfuzz#1}
3661 \catcode\Q=11
3662 %%
3663 % Citations should go in the margin as sidenotes
3664
3665 \RequirePackage{natbib}
3666 \RequirePackage{bibentry} % allows bibitems to be typeset outside thebibliography environmen
3667 % Redefine the \BR@b@bibitem command to fix a bug with bibentry+chicago style
3668 \renewcommand\BR@b@bibitem[2][{}]{%
3669   \ifthenelse{\isempty{#1}}{%
3670     {\BR@bibitem{#2}}%
3671     {\BR@bibitem{#1}{#2}}%
3672   \BR@c@bibitem{#2}%
3673 }
3674 \hopatch@AfterPackage{bidi}{\nobibliography*} % pre-loads the bibliography keys
3675 %%
3676 % Normal \cite behavior
3677 \newcounter{@bidityftesidenote@num@bibkeys}%
3678 \newcommand{\@bidityftesidenote@normal@cite}[2][Opt]{%
3679   % Snag the last bibentry in the list for later comparison
3680   \let\@temp@last@bibkey\@empty%
3681   \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
3682   \sidenote[] [1]{%
3683     % Loop through all the bibentries, separating them with semicolons and spaces
3684     \normalsize\normalfont\@bidityftesidenote@citation@font%
3685     \setcounter{@bidityftesidenote@num@bibkeys}{0}%
3686     \@for\@temp@bibkeyx:=#2\do{%
3687       \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
3688         {\ifthenelse{\equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\{and\ }%
3689           \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3690           \bibentry{\@temp@bibkeyx}}%
3691         {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3692           \bibentry{\@temp@bibkeyx};\ }%
3693       \stepcounter{@bidityftesidenote@num@bibkeys}%
3694     }%
3695   }%

```



```

3696 }
3697 \newcommand{\@bidityfteLTRsidenote@normal@cite}[2][Opt]{%
3698 % Snag the last bibentry in the list for later comparison
3699 \let\@temp@last@bibkey\@empty%
3700 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
3701 \LTRsidenote[] [#1]{%
3702 % Loop through all the bibentries, separating them with semicolons and spaces
3703 \normalsize\normalfont\@bidityfteLTRsidenote@citation@font%
3704 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
3705 \@for\@temp@bibkeyx:=#2\do{%
3706 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
3707 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
3708 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3709 \bibentry{\@temp@bibkeyx}}%
3710 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3711 \bibentry{\@temp@bibkeyx};\ }%
3712 \stepcounter{\@bidityftesidenote@num@bibkeys}%
3713 }%
3714 }%
3715 }
3716 \newcommand{\@bidityfteRTLSidenote@normal@cite}[2][Opt]{%
3717 % Snag the last bibentry in the list for later comparison
3718 \let\@temp@last@bibkey\@empty%
3719 \@for\@temp@bibkey:=#2\do{\let\@temp@last@bibkey\@temp@bibkey}%
3720 \RTLSidenote[] [#1]{%
3721 % Loop through all the bibentries, separating them with semicolons and spaces
3722 \normalsize\normalfont\@bidityftesidenote@citation@font%
3723 \setcounter{\@bidityftesidenote@num@bibkeys}{0}%
3724 \@for\@temp@bibkeyx:=#2\do{%
3725 \ifthenelse{\equal{\@temp@last@bibkey}{\@temp@bibkeyx}}{%
3726 {\ifthenelse{\equal{\value{\@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
3727 \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3728 \bibentry{\@temp@bibkeyx}}%
3729 {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3730 \bibentry{\@temp@bibkeyx};\ }%
3731 \stepcounter{\@bidityftesidenote@num@bibkeys}%
3732 }%
3733 }%
3734 }
3735 %%
3736 % Macros for holding the list of cite keys until after the \sidenote
3737 \gdef\@bidityftesidenote@citations{}% list of cite keys
3738 \newcommand\@bidityftesidenote@add@citation[1]{\relax% adds a new bibkey to the list of cite keys
3739 \ifx\@bidityftesidenote@citations\@empty\else
3740 \g@addto@macro\@bidityftesidenote@citations{,}% separate by commas
3741 \fi
3742 \g@addto@macro\@bidityftesidenote@citations{#1}
3743 }
3744 \newcommand{\@bidityftesidenote@print@citations}[1][Opt]{% puts the citations in a margin note
3745 % Snag the last bibentry in the list for later comparison

```




```

3746 \let\@temp@last@bibkey\@empty%
3747 \@for\@temp@bibkey:=\@bidityftesidenote@citations\do{\let\@temp@last@bibkey\@temp@bibkey}%
3748 \marginpar{%
3749   \hbox{}\vspace*{#1}%
3750   \@bidityftesidenote@citation@font%
3751   \@bidityftesidenote@citation@justification%
3752   \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
3753   \vspace*{-1\baselineskip}%
3754   % Loop through all the bibentries, separating them with semicolons and spaces
3755   \setcounter{@bidityftesidenote@num@bibkeys}{0}%
3756   \@for\@temp@bibkeyx:=\@bidityftesidenote@citations\do{%
3757     \ifthenelse{equal{\@temp@last@bibkey}{\@temp@bibkeyx}}%
3758     {\ifthenelse{equal{\value{@bidityftesidenote@num@bibkeys}}{0}}{\and\ }%
3759     \@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3760     \bibentry{\@temp@bibkeyx}}%
3761     {\@bidityftesidenote@trim@spaces\@temp@bibkeyx% trim spaces around bibkey
3762     \bibentry{\@temp@bibkeyx};\ }%
3763     \stepcounter{@bidityftesidenote@num@bibkeys}%
3764   }%
3765 }%
3766 }
3767 %%
3768 % \cite behavior when executed within a sidenote
3769 \newcommand{\@bidityftesidenote@sidenote@citations}{}% contains list of \cites in sidenote
3770 \newcommand{\@bidityftesidenote@infootnote@cite}[1]{%
3771   \@bidityftesidenote@add@citation{#1}
3772 }
3773 %%
3774 % Set the default \cite style. This is set and reset by the \sidenote command.
3775 \let\cite\@bidityftesidenote@normal@cite
3776 \let\LTRcite\@bidityfteLTRsidenote@normal@cite
3777 \let\RTLcite\@bidityfteRTLSidenote@normal@cite
3778 %%
3779 % Transform existing \footnotes into \sidenotes
3780 % Sidenote: ``Where God meant footnotes to go.'' ---bidityftesidenote
3781 \RequirePackage{optparams}% for our new sidenote commands -- provides multiple optional arguments
3782 \providecommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
3783 \renewcommand{\footnotelayout}{\@bidityftesidenote@sidenote@font\@bidityftesidenote@sidenote@font}
3784 % Override footmisc's definition to set the sidenote marks (numbers) inside the
3785 % sidenote's text block.
3786 \hopatch@AfterPackage{bidi}{\long\def\@makefnmark{\@textsuperscript{\@bidityftesidenote@sidenote@font}}
3787 % Set the in-text footnote mark in the same typeface as the body text itself.
3788 \hopatch@AfterPackage{bidi}{\def\@makefnmark{\hbox{\@textsuperscript{\normalfont\footnotesize\@bidityftesidenote@sidenote@font}}
3789 \providecommand*\multiplefootnotemark}{3sp}
3790 \providecommand*\multfootsep}{,}
3791 \hopatch@AfterPackage{bidi}{%
3792 \renewcommand{\@footnotemark}{%
3793   \leavevmode%
3794   \ifhmode%
3795     \edef\x@sf{\the\spacefactor}%

```



```

3796 \@bidityftesidenote@check@multiple@sidenotes%
3797 \nobreak%
3798 \fi%
3799 \@makefnmark%
3800 \ifhmode\spacefactor\@x@sf\fi%
3801 \relax%
3802 }%
3803 }
3804 \newcommand{\@bidityftesidenote@check@multiple@sidenotes}{%
3805 \ifdim\lastkern=\multiplefootnotemarker\relax%
3806 \edef\@x@sf{\the\spacefactor}%
3807 \unkern%
3808 \textsuperscript{\multfootsep}%
3809 \spacefactor\@x@sf\relax%
3810 \fi
3811 }
3812 \hopatch@AfterPackage{bidi}{%
3813 \renewcommand\@footnotetext[2][Opt]{%
3814 \bidityftesidenotemarginpar{%
3815 \hbox{}\vspace*{#1}%
3816 \def\baselinestretch {\setspace@singlespace}%
3817 \reset@font\footnotesize%
3818 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
3819 \vspace*{-1\baselineskip}\noindent%
3820 \protected@edef\@currentlabel{%
3821 \csname p@footnote\endcsname\@thefnmark%
3822 }%
3823 \color@begingroup%
3824 \@makefnmark{%
3825 \ignorespaces#2%
3826 }%
3827 \color@endgroup%
3828 }%
3829 }%
3830 \renewcommand\@LTRfootnotetext[2][Opt]{%
3831 \LTRbidityftesidenotemarginpar{%
3832 \hbox{}\vspace*{#1}%
3833 \def\baselinestretch {\setspace@singlespace}%
3834 \reset@font\footnotesize%
3835 \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
3836 \vspace*{-1\baselineskip}\noindent%
3837 \protected@edef\@currentlabel{%
3838 \csname p@footnote\endcsname\@thefnmark%
3839 }%
3840 \color@begingroup%
3841 \@makefnmark{%
3842 \ignorespaces#2%
3843 }%
3844 \color@endgroup%
3845 }%

```



```

3846 }%
3847 \renewcommand\@RTLfootnotetext[2][Opt]{%
3848   \RTLbidityftesidenotemarginpar{%
3849     \hbox{\vspace*{#1}%
3850       \def\baselinestretch{\set@space@single}%
3851       \reset@font\footnotesize%
3852       \@bidityftesidenote@margin@par% use parindent and parskip settings for marginal text
3853       \vspace*{-1\baselineskip}\noindent%
3854       \protected@edef\@currentlabel{%
3855         \csname p@footnote\endcsname\@thefnmark%
3856       }%
3857       \color@begingroup%
3858         \makefnintext{%
3859           \ignorespaces#2%
3860         }%
3861       \color@endgroup%
3862     }%
3863 }%
3864 }
3865 %
3866 % Define \sidenote command. Can handle \cite.
3867 \newlength{\@bidityftesidenote@sidenote@vertical@offset}
3868 \setlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}
3869 % #1 = footnote num, #2 = vertical offset, #3 = footnote text
3870 \long\def\@bidityftesidenote@sidenote[#1][#2]#3{%
3871   \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
3872   \gdef\@bidityftesidenote@citations{}% clear out any old citations
3873   \ifthenelse{\NOT\isempty{#2}}{%
3874     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
3875   }{%
3876     \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
3877   }%
3878   \ifthenelse{\isempty{#1}}{%
3879     % no specific footnote number provided
3880     \stepcounter\@mpfn%
3881     \protected@xdef\@thefnmark{\thempfn}%
3882     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3883   }{%
3884     % specific footnote number provided
3885     \begingroup%
3886       \csname c@\@mpfn\endcsname #1\relax%
3887       \unrestored@protected@xdef\@thefnmark{\thempfn}%
3888     \endgroup%
3889     \@footnotemark\@footnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3890   }%
3891   \@bidityftesidenote@print@citations% print any citations
3892   \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
3893   \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
3894   \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
3895   \unskip\ignorespaces% remove extra white space

```



```

3896 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
3897 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
3898 }
3899 \long\def\LTRbidityftesidenote@sidenote[#1][#2]#3{%
3900 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
3901 \gdef\@bidityftesidenote@citations{}%      clear out any old citations
3902 \ifthenelse{\NOT\isempty{#2}}{%
3903 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
3904 }{%
3905 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
3906 }%
3907 \ifthenelse{\isempty{#1}}{%
3908 % no specific footnote number provided
3909 \stepcounter\@mpfn%
3910 \protected@xdef\@thefnmark{\thempfn}%
3911 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3912 }{%
3913 % specific footnote number provided
3914 \begingroup%
3915 \csname c@\@mpfn\endcsname #1\relax%
3916 \unrestored@protected@xdef\@thefnmark{\thempfn}%
3917 \endgroup%
3918 \@footnotemark\@LTRfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3919 }%
3920 \@bidityftesidenote@print@citations%      print any citations
3921 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
3922 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
3923 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
3924 \unskip\ignorespaces%      remove extra white space
3925 \kern-\multiplefootnotemarker%      remove \kern left behind by sidenote
3926 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
3927 }
3928 \long\def\RTLbidityftesidenote@sidenote[#1][#2]#3{%
3929 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
3930 \gdef\@bidityftesidenote@citations{}%      clear out any old citations
3931 \ifthenelse{\NOT\isempty{#2}}{%
3932 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{#2}%
3933 }{%
3934 \gsetlength{\@bidityftesidenote@sidenote@vertical@offset}{0pt}%
3935 }%
3936 \ifthenelse{\isempty{#1}}{%
3937 % no specific footnote number provided
3938 \stepcounter\@mpfn%
3939 \protected@xdef\@thefnmark{\thempfn}%
3940 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3941 }{%
3942 % specific footnote number provided
3943 \begingroup%
3944 \csname c@\@mpfn\endcsname #1\relax%
3945 \unrestored@protected@xdef\@thefnmark{\thempfn}%

```



```

3946 \endgroup%
3947 \@footnotemark\@RTLfootnotetext[\@bidityftesidenote@sidenote@vertical@offset]{#3}%
3948 }%
3949 \@bidityftesidenote@print@citations% print any citations
3950 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
3951 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
3952 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
3953 \unskip\ignorespaces% remove extra white space
3954 \kern-\multiplefootnotemarker% remove \kern left behind by sidenote
3955 \kern\multiplefootnotemarker\relax% add new \kern here to replace the one we yanked
3956 }
3957 \newcommand{\sidenote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}
3958 \newcommand{\LTRsidenote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}
3959 \newcommand{\RTLsidenote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}
3960 \hopatch@AfterPackage{bidi}{%
3961 \renewcommand{\footnote}{\optparams{\@bidityftesidenote@sidenote}{[] [Opt]}}%
3962 \renewcommand{\LTRfootnote}{\optparams{\@LTRbidityftesidenote@sidenote}{[] [Opt]}}%
3963 \renewcommand{\RTLfootnote}{\optparams{\@RTLbidityftesidenote@sidenote}{[] [Opt]}}%
3964 }
3965 %%
3966 % Sidenote without the footnote mark
3967 \newcommand\marginnote[2] [Opt]{%
3968 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
3969 \gdef\@bidityftesidenote@citations{}% clear out any old citations
3970 \bidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
3971 \@bidityftesidenote@print@citations% print any citations
3972 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
3973 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
3974 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
3975 }
3976 \newcommand\LTRmarginnote[2] [Opt]{%
3977 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
3978 \gdef\@bidityftesidenote@citations{}% clear out any old citations
3979 \LTRbidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
3980 \@bidityftesidenote@print@citations% print any citations
3981 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
3982 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
3983 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
3984 }
3985 \newcommand\RTLmarginnote[2] [Opt]{%
3986 \let\cite\@bidityftesidenote@infootnote@cite% use the in-sidenote \cite command
3987 \gdef\@bidityftesidenote@citations{}% clear out any old citations
3988 \RTLbidityftesidenotemarginpar{\hbox{} \vspace*{#1}\@bidityftesidenote@marginnote@font\@bidityft
3989 \@bidityftesidenote@print@citations% print any citations
3990 \let\cite\@bidityftesidenote@normal@cite% go back to using normal in-text \cite command
3991 \let\LTRcite\@bidityfteLTRsidenote@normal@cite% go back to using normal in-text \LTRcite co
3992 \let\RTLcite\@bidityfteRTLsidenote@normal@cite% go back to using normal in-text \RTLcite co
3993 }

```



7.23 bidentuftetoc.sty

```

3994 \NeedsTeXFormat{LaTeX2e}
3995 \ProvidesPackage{bidentuftetoc}[2011/06/17 v0.1
3996 bidi implementation of tufte toc]
3997 \RequirePackage{titlesec,titletoc,xifthen,hopatch}
3998 \newcommand{\@bidentuftetoc@pkgname}{bidentuftetoc}
3999 \newcommand{\bidentuftetocError}[2]{\PackageError{\@bidentuftetoc@pkgname}{#1}{#2}}
4000 %%
4001 % Turn off section numbering
4002 \setcounter{secnumdepth}{-1}
4003 \newboolean{@bidentuftetoc@toc}
4004 \setboolean{@bidentuftetoc@toc}{true}
4005 \DeclareOption{notoc}{\setboolean{@bidentuftetoc@toc}{false}}
4006 \DeclareOption{toc}{\setboolean{@bidentuftetoc@toc}{true}}
4007 \ProcessOptions
4008 %%
4009 % Make Tuftean-style section headings and TOC formatting
4010 \hopatch@AfterPackage{bidi}{%
4011 \titleformat{\chapter}%
4012 [display]% shape
4013 {\relax\ifthenelse{\NOT\boolean{@bidentuftefloat@symmetric}}{\begin{fullwidth}}{}}% format app
4014 {\itshape\huge\thechapter}% label
4015 {0pt}% horizontal separation between label and title body
4016 {\huge\rmfamily\itshape}% before the title body
4017 [\ifthenelse{\NOT\boolean{@bidentuftefloat@symmetric}}{\end{fullwidth}}{}}% after the title bod
4018 \titleformat{\section}%
4019 [hang]% shape
4020 {\normalfont\Large\itshape}% format applied to label+text
4021 {\thesection}% label
4022 {1em}% horizontal separation between label and title body
4023 {}% before the title body
4024 []% after the title body
4025 \titleformat{\subsection}%
4026 [hang]% shape
4027 {\normalfont\large\itshape}% format applied to label+text
4028 {\thesubsection}% label
4029 {1em}% horizontal separation between label and title body
4030 {}% before the title body
4031 []% after the title body
4032 \titleformat{\paragraph}%
4033 [runin]% shape
4034 {\normalfont\itshape}% format applied to label+text
4035 {\theparagraph}% label
4036 {1em}% horizontal separation between label and title body
4037 {}% before the title body
4038 []% after the title body
4039 \titlespacing*{\chapter}{0pt}{50pt}{40pt}
4040 \titlespacing*{\section}{0pt}{3.5ex plus 1ex minus .2ex}{2.3ex plus .2ex}
4041 \titlespacing*{\subsection}{0pt}{3.25ex plus 1ex minus .2ex}{1.5ex plus .2ex}

```



```

4042 }
4043 % Subsubsection and following section headings shouldn't be used.
4044 % See Bringhurst's _The Elements of Typography_, section 4.2.2.
4045 \renewcommand\subsubsection{%
4046   \bidityfttetocError{\noexpand\subsubsection is undefined by this class.%
4047     \MessageBreak See Robert Bringhurst's _The Elements of
4048     \MessageBreak Typographic Style_, section 4.2.2.
4049     \MessageBreak \noexpand\subsubsection was used}
4050   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4051   \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4052   \MessageBreak related threads on Ask E.T. at http://www.edwardbidityfttetoc.com/.}
4053 }
4054 \renewcommand\subparagraph{%
4055   \bidityfttetocError{\noexpand\subparagraph is undefined by this class.%
4056     \MessageBreak See Robert Bringhurst's _The Elements of
4057     \MessageBreak Typographic Style_, section 4.2.2.
4058     \MessageBreak \noexpand\subparagraph was used}
4059   {From Bringhurst's _The Elements of Typographic Style_, section 4.2.2: Use as
4060   \MessageBreak many levels of headings as you need, no more and no fewer. Also see the many
4061   \MessageBreak related threads on Ask E.T. at http://www.edwardbidityfttetoc.com/.}
4062 }
4063 % Formatting for main TOC (printed in front matter)
4064 % {section} [left] {above} {before w/label} {before w/o label} {filler + page} [after]
4065 \ifthenelse{\boolean{@bidityfttetoc@toc}}{%
4066   \hopatch@AfterPackage{bidi}{%
4067     \titlecontents{part}% FIXME
4068       [0em] % distance from left margin
4069       {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4070       {\contentslabel{2em}} % before w/label (label = ``II'')
4071       {} % before w/o label
4072       {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4073       [\end{fullwidth}] % after
4074     \titlecontents{chapter}%
4075       [0em] % distance from left margin
4076       {\vspace{1.5\baselineskip}\begin{fullwidth}\LARGE\rmfamily\itshape} % above (global formatting)
4077       {\hspace*{0em}\contentslabel{2em}} % before w/label (label = ``2'')
4078       {\hspace*{0em}} % before w/o label
4079       {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4080       [\end{fullwidth}] % after
4081     \titlecontents{section}% FIXME
4082       [0em] % distance from left margin
4083       {\vspace{0\baselineskip}\begin{fullwidth}\Large\rmfamily\itshape} % above (global formatting)
4084       {\hspace*{2em}\contentslabel{2em}} % before w/label (label = ``2.6'')
4085       {\hspace*{2em}} % before w/o label
4086       {\rmfamily\upshape\qqquad\thecontentspage} % filler + page (leaders and page num)
4087       [\end{fullwidth}] % after
4088     \titlecontents{subsection}% FIXME
4089       [0em] % distance from left margin
4090       {\vspace{0\baselineskip}\begin{fullwidth}\large\rmfamily\itshape} % above (global formatting)
4091       {\hspace*{4em}\contentslabel{4em}} % before w/label (label = ``2.6.1'')

```



```

4092 {\hspace*{4em}} % before w/o label
4093 {\rmfamily\upshape\qqad\thecontentspage} % filler + page (leaders and page num)
4094 [\end{fullwidth}] % after
4095 \titlecontents{paragraph}% FIXME
4096 [0em] % distance from left margin
4097 {\vspace{0\baselineskip}\begin{fullwidth}\normalsize\rmfamily\itshape} % above (global format)
4098 {\hspace*{6em}\contentslabel{2em}} % before w/label (label = ``2.6.0.0.1'')
4099 {\hspace*{6em}} % before w/o label
4100 {\rmfamily\upshape\qqad\thecontentspage} % filler + page (leaders and page num)
4101 [\end{fullwidth}] % after
4102 }%
4103 }{}
4104 %%
4105 % Format lists of figures/tables
4106 \renewcommand\listoffigures{%
4107 \ifundefined{chapter}%
4108 {\section*{\listfigurename}}%
4109 {\chapter*{\listfigurename}}%
4110 % \begin{fullwidth}%
4111 \starttoc{lof}%
4112 % \end{fullwidth}%
4113 }
4114 \renewcommand\listoftables{%
4115 \ifundefined{chapter}%
4116 {\section*{\listtablename}}%
4117 {\chapter*{\listtablename}}%
4118 % \begin{fullwidth}%
4119 \starttoc{lot}%
4120 % \end{fullwidth}%
4121 }
4122 \newcommand{\@bidiuftetoc@lof@line}[2]{%
4123 % #1 is the figure/table number and its caption text
4124 % #2 is the page number on which the figure/table appears
4125 \leftskip 0.0em
4126 \rightskip 0em
4127 \parfillskip 0em plus 1fil
4128 \parindent 0.0em
4129 \@afterindenttrue
4130 \interlinepenalty\@M
4131 \leavevmode
4132 \@tempdima 2.0em
4133 \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
4134 \null\nobreak\hskip -\if@RTL\rightskip\else\leftskip\fi
4135 {#1}\nobreak\qqad\nobreak#2%
4136 \par%
4137 }
4138 \renewcommand*\l@figure{\@bidiuftetoc@lof@line}
4139 \let\l@table\l@figure

```



7.24 bidingtuftegeneralstructure.sty

```

4140 \NeedsTeXFormat{LaTeX2e}
4141 \ProvidesPackage{bidingtuftegeneralstructure}[2011/06/18 v0.1
4142 bidi implementation of tufte general structure]
4143 \renewcommand\small{%
4144   \@setfontsize\small\@ixpt{12}%
4145   \abovedisplayskip 8.5\p@ \@plus3\p@ \@minus4\p@
4146   \abovedisplayshortskip \z@ \@plus2\p@
4147   \belowdisplayshortskip 4\p@ \@plus2\p@ \@minus2\p@
4148   \def\@listi{\leftmargin\leftmargini
4149             \topsep 4\p@ \@plus2\p@ \@minus2\p@
4150             \parsep 2\p@ \@plus\p@ \@minus\p@
4151             \itemsep \parsep}%
4152   \belowdisplayskip \abovedisplayskip
4153 }
4154 \renewcommand\scriptsize{\@setfontsize\scriptsize\@viipt\@viipt}
4155 \renewcommand\tiny{\@setfontsize\tiny\@vpt\@vpt}
4156 \renewcommand\large{\@setfontsize\large\@xipt{15}}
4157 \renewcommand\Large{\@setfontsize\Large\@xiipt{16}}
4158 \renewcommand\LARGE{\@setfontsize\LARGE\@xivpt{18}}
4159 \renewcommand\huge{\@setfontsize\huge\@xxpt{30}}
4160 \renewcommand\Huge{\@setfontsize\Huge{24}{36}}
4161 \setlength\leftmargini {1pc}
4162 \setlength\leftmarginii {1pc}
4163 \setlength\leftmarginiii {1pc}
4164 \setlength\leftmarginiv {1pc}
4165 \setlength\leftmarginv {1pc}
4166 \setlength\leftmarginvi {1pc}
4167 \setlength\labelsep {.5pc}
4168 \setlength\labelwidth {\leftmargini}
4169 \addtolength\labelwidth{-\labelsep}
4170 \setlength{\parindent}{1.0pc}%
4171 \setlength{\parskip}{0pt}%
4172 \RequirePackage{ragged2e}
4173 \setlength{\RaggedRightRightskip}{\z@ plus 0.08\hsize}
4174 % Paragraph indentation and separation for normal text
4175 \newcommand{\@bidingtuftegeneralstructure@reset@par}{%
4176   \setlength{\RaggedRightParindent}{1.0pc}%
4177   \setlength{\JustifyingParindent}{1.0pc}%
4178   \setlength{\parindent}{1pc}%
4179   \setlength{\parskip}{0pt}%
4180 }
4181 \@bidingtuftegeneralstructure@reset@par
4182 % Require paralist package for tighter lists
4183 \RequirePackage{paralist}
4184 % Add rightmargin to compactenum
4185 \def\@compactenum{%
4186   \expandafter\list\csname label\@enumctr\endcsname{%
4187     \usecounter{\@enumctr}%

```



```

4188 \rightmargin=2em% added this
4189 \parsep\plparsep
4190 \itemsep\plitemsep
4191 \topsep\pltopsep
4192 \partopsep\plpartopsep
4193 \def\makelabel##1{\hss\llap{##1}}}}
4194 %%
4195 % An environment for paragraph-style section
4196 \providecommand\newthought[1]{%
4197 \addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}%
4198 \noindent\textbf{#1}%
4199 }
4200 %%
4201 % Redefine the display environments (quote, quotation, etc.)
4202 \renewenvironment{verse}
4203     {\let\\ \@centercr
4204     \list{}{\itemsep \z@
4205     \itemindent -1pc%
4206     \listparindent\itemindent
4207     \rightmargin \leftmargin
4208     \advance\leftmargin 1pc}%
4209     \small%
4210     \item\relax}
4211     {\endlist}
4212 \renewenvironment{quotation}
4213     {\list{}{\listparindent 1pc%
4214     \itemindent \listparindent
4215     \rightmargin \leftmargin
4216     \parsep \z@ \@plus\p@}%
4217     \small%
4218     \item\relax\noindent\ignorespaces}
4219     {\endlist}
4220 \renewenvironment{quote}
4221     {\list{}{\rightmargin\leftmargin}%
4222     \small%
4223     \item\relax}
4224     {\endlist}
4225 % Italicize description run-in headings (instead of the default bold)
4226 \renewcommand*\descriptionlabel[1]{\hspace\labelsep\normalfont\em #1}
4227 %%
4228 % Redefine \bibsection to not mark the running heads.
4229 % (Code modified from natbib.sty.)
4230 \@ifundefined{chapter}%
4231     {\renewcommand\bibsection{\section*{\refname}}}
4232     {\@ifundefined{NAT@sectionbib}%
4233     {\renewcommand\bibsection{\chapter{\bibname}}}
4234     {\renewcommand\bibsection{\section*{\bibname}}}}
4235 \RequirePackage{multicol}
4236 \renewenvironment{theindex}{%
4237 \@ifundefined{chapter}%

```



```

4238   {\section*{\indexname}}%
4239   {\chapter{\indexname}}%
4240   \begin{fullwidth}%
4241   \small%
4242   \parskip0pt%
4243   \parindent0pt%
4244   \let\item\@idxitem%
4245   \begin{multicols}{3}%
4246 }{%
4247   \end{multicols}%
4248   \end{fullwidth}%
4249 }
4250 \AtBeginDocument{%
4251   \renewcommand\@idxitem{\par\hangindent \if@RTL-\fi2em}%
4252   \renewcommand\subitem{\par\hangindent \if@RTL-\fi3em\hspace*{1em}}%
4253   \renewcommand\subsubitem{\par\hangindent \if@RTL-\fi4em\hspace*{2em}}%
4254   \renewcommand\indexspace{\par\addvspace{1.0\baselineskip plus 0.5ex minus 0.2ex}\relax}%
4255   \newcommand{\lettergroup}[1]{}% swallow the letter heading in the index

```

7.25 bidentuftehyperref.sty

```

4256 \NeedsTeXFormat{LaTeX2e}
4257 \ProvidesPackage{bidentuftehyperref}[2011/06/18 v0.1
4258 bidi implementation of tufte hyperref]
4259 %%
4260 % Color
4261 \RequirePackage[usenames,dvipsnames,svgnames]{xcolor}%
4262 \newboolean{@bidentuftehyperref@loadhyper}
4263 \setboolean{@bidentuftehyperref@loadhyper}{true}
4264 \DeclareOption{hyper}{\setboolean{@bidentuftehyperref@loadhyper}{true}}
4265 \DeclareOption{nohyper}{\setboolean{@bidentuftehyperref@loadhyper}{false}}
4266 \ProcessOptions
4267 %% Loads the hyperref package and sets some default options.
4268 \newcommand{\bidentuftehyperrefLoadHyperref}{%
4269 \RequirePackage[hyperfootnotes=false,colorlinks=true]{hyperref}
4270   \hypersetup{%
4271     bookmarksdepth = section,
4272     citecolor = DarkGreen,
4273     linkcolor = DarkBlue,
4274     %   pagecolor = DarkBlue,
4275     urlcolor = DarkGreen,
4276   }%
4277 }
4278 \ifthenelse{\boolean{@bidentuftehyperref@loadhyper}}{%
4279   \bidentuftehyperrefLoadHyperref%
4280 }{% hyperfootnotes override our modifications to the \footnote* and \@footnote* commands.
4281   \PassOptionsToPackage{hyperfootnotes=false}{hyperref}
4282 }

```

7.26 bidentuftetitle.sty



```

4283 \NeedsTeXFormat{LaTeX2e}
4284 \ProvidesPackage{bidituftetitle}[2011/06/18 v0.1
4285 bidi implementation of tufte title]
4286 \RequirePackage{etoolbox}
4287 %%
4288 % `titlepage' option -- creates a full title page with \maketitle
4289 \newboolean{@bidituftetitle@titlepage}
4290 \DeclareOption{titlepage}{\setboolean{@bidituftetitle@titlepage}{true}}
4291 \DeclareOption{notitlepage}{\setboolean{@bidituftetitle@titlepage}{false}}
4292 % Default `book' and `handout' options
4293 \@ifclassloaded{book}{%
4294 \ExecuteOptions{titlepage}}{%
4295 \@ifclassloaded{article}{%
4296 \ExecuteOptions{notitlepage}}%
4297 {}}
4298 \ProcessOptions
4299 %%
4300 % Modified \title, \author, and \date commands. These store the
4301 % (footnote-less) values in \plaintitle, \plainauthor, and \thedata, respectively.
4302 \newcommand{\plaintitle}{}% plain-text-only title
4303 \newcommand{\plainauthor}{}% plain-text-only author
4304 \newcommand{\plainpublisher}{}% plain-text-only publisher
4305 \newcommand{\thanklesstitle}{}% full title text minus \thanks{}
4306 \newcommand{\thanklessauthor}{}% full author text minus \thanks{}
4307 \newcommand{\thanklesspublisher}{}% full publisher minus \thanks{}
4308 \newcommand{\@publisher}{}% full publisher with \thanks{}
4309 \newcommand{\thedata}{\today}
4310 \hopatch@AfterPackage{bidi}{%
4311 \renewcommand{\thanks}[1]{\footnote{#1}}
4312 \renewcommand{\LTRthanks}[1]{\LTRfootnote{#1}}
4313 \renewcommand{\RTLthanks}[1]{\RTLfootnote{#1}}
4314 }
4315 \renewcommand{\title}[2][]{%
4316 \gdef\@title{#2}%
4317 \begingroup%
4318 % TODO store contents of \thanks command
4319 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4320 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4321 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4322 \protected@xdef\thanklesstitle{#2}%
4323 \endgroup%
4324 \ifthenelse{\isempty{#1}}{%
4325 {\renewcommand{\plaintitle}{\thanklesstitle}}% use thankless title
4326 {\renewcommand{\plaintitle}{#1}}% use provided plain-text title
4327 \@ifundefined{hypersetup}%
4328 {}% hyperref is not loaded; do nothing
4329 {\hypersetup{pdftitle={\plaintitle}}}% set the PDF metadata title
4330 }
4331 \let\@author\@empty% suppress default latex.ltx ``no author'' warning
4332 \renewcommand{\author}[2][]{%

```



```

4333 \ifthenelse{\isempty{#2}}{\gdef\@author{#2}}%
4334 \begingroup%
4335 % TODO store contents of \thanks command
4336 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4337 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4338 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4339 \protected@xdef\thanklessauthor{#2}%
4340 \endgroup%
4341 \ifthenelse{\isempty{#1}}%
4342 {\renewcommand{\plainauthor}{\thanklessauthor}}% use thankless author
4343 {\renewcommand{\plainauthor}{#1}}% use provided plain-text author
4344 \@ifundefined{hypersetup}%
4345 {}% hyperref is not loaded; do nothing
4346 {\hypersetup{pdfauthor={\plainauthor}}}% set the PDF metadata author
4347 }
4348 \renewcommand{\date}[1]{%
4349 \gdef\@date{#1}%
4350 \begingroup%
4351 % TODO store contents of \thanks command
4352 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4353 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4354 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4355 \protected@xdef\thedata{#1}%
4356 \endgroup%
4357 }
4358 %%
4359 % Provides a \publisher command to set the publisher
4360 \newcommand{\publisher}[2][]{%
4361 \gdef\@publisher{#2}%
4362 \begingroup%
4363 \renewcommand{\thanks}[1]{}% swallow \thanks contents
4364 \renewcommand{\LTRthanks}[1]{}% swallow \LTRthanks contents
4365 \renewcommand{\RTLthanks}[1]{}% swallow \RTLthanks contents
4366 \protected@xdef\thanklesspublisher{#2}%
4367 \endgroup%
4368 \ifthenelse{\isempty{#1}}
4369 {\renewcommand{\plainpublisher}{\thanklesspublisher}}% use thankless publisher
4370 {\renewcommand{\plainpublisher}{#1}}% use provided plain-text publisher
4371 }
4372 %%
4373 % Produces a full title page
4374 \newcommand{\maketitlepage}[0]{%
4375 \cleardoublepage%
4376 {%
4377 \bfseries%
4378 \begin{fullwidth}%
4379 \fontsize{18}{20}\selectfont\par\noindent\thanklessauthor%
4380 \vspace{11.5pc}%
4381 \fontsize{36}{40}\selectfont\par\noindent\thanklesstitle%
4382 \vfill%

```



```

4383 \fontsize{14}{16}\selectfont\par\noindent\thanklesspublisher%
4384 \end{fullwidth}%
4385 }
4386 \thispagestyle{empty}%
4387 \clearpage%
4388 }
4389 %%
4390 % Title block
4391 \AfterEndPreamble{%
4392 \renewcommand{\maketitle}{%
4393 \newpage%
4394 \global\@topnum\z@% prevent floats from being placed at the top of the page
4395 \begingroup%
4396 \setlength{\parindent}{0pt}%
4397 \setlength{\parskip}{4pt}%
4398 \let\@title\empty%
4399 \let\@author\empty%
4400 \let\@date\empty%
4401 \gdef\@title{\LARGE\itshape\@title\par}%
4402 \gdef\@author{\Large\itshape\@author\par}%
4403 \gdef\@date{\Large\itshape\@date\par}%
4404 \@title%
4405 \@author%
4406 \@date%
4407 \endgroup%
4408 \thispagestyle{plain}% suppress the running head
4409 }%
4410 }
4411 %%
4412 % Title page (if the `titlepage' option was passed to the bidentitetitle-handout
4413 % class.)
4414 \AfterEndPreamble{%
4415 \ifthenelse{\boolean{@bidentitetitle@titlepage}}
4416 {\renewcommand{\maketitle}{\maketitlepage}}
4417 {}
4418 }
4419 %%
4420 % When \cleardoublepage is called, produce a blank (empty) page -- i.e.,
4421 % without headers and footers
4422 \def\cleardoublepage{\clearpage\if@twoside\ifodd\c@page\else
4423 \hbox{}
4424 \vspace*{\fill}
4425 \begin{center}
4426 % This page intentionally contains only this sentence.
4427 \end{center}
4428 \vspace{\fill}
4429 \thispagestyle{empty}
4430 \newpage
4431 \if@twocolumn\hbox{}\newpage\fi\fi\fi}

```



7.27 bidentufte-handout.cls

```
4432 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
4433 \ProvidesClass{bidentufte-handout}[2011/06/18 v0.1 bidentufte-handout class]
4434 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{article}}
4435 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
4436 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
4437 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
4438 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
4439 \ProcessOptions\relax
4440 \LoadClass{article}
4441 \RequirePackage{bidentuftefloat}
4442 \RequirePackage{bidentuftesidenote}
4443 \RequirePackage{bidentuftetoc}
4444 \RequirePackage{bidentuftegeneralstructure}
4445 \RequirePackage{bidentuftehyperref}
4446 \RequirePackage{bidentuftetitle}
4447 \renewenvironment{abstract}
4448   {\begin{quotation}}
4449   {\end{quotation}}
4450 \AtBeginDocument{%
4451   \IfFileExists{bidentufte-handout.cfg}
4452     {\input{bidentufte-handout.cfg}}
4453     \ClassInfo{bidentufte-handout}{Loading bidentufte-handout configuration file \@gobble}}
4454   {}%
4455 }
```

7.28 bidentufte-book.cls

```
4456 \NeedsTeXFormat{LaTeX2e}[1994/06/01]
4457 \ProvidesClass{bidentufte-book}[2011/06/18 v0.1 bidentufte-book class]
4458 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{book}}
4459 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftefloat}}
4460 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetoc}}
4461 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftehyperref}}
4462 \DeclareOption*{\PassOptionsToClass{\CurrentOption}{bidentuftetitle}}
4463 \ProcessOptions\relax
4464 \LoadClass{book}
4465 \RequirePackage{bidentuftefloat}
4466 \RequirePackage{bidentuftesidenote}
4467 \RequirePackage{bidentuftetoc}
4468 \RequirePackage{bidentuftegeneralstructure}
4469 \RequirePackage{bidentuftehyperref}
4470 \RequirePackage{bidentuftetitle}
4471 %%
4472 % Set up any book-specific stuff now
4473 %%
4474 % The front matter in Tufte's /Beautiful Evidence/ contains everything up
4475 % to the opening page of Chapter 1. The running heads, when they appear,
4476 % contain only the (arabic) page number in the outside corner.
4477 %\newif\if@mainmatter \@mainmattertrue
```



```

4478 \renewcommand\frontmatter{%
4479   \cleardoublepage%
4480   \@mainmatterfalse%
4481   \pagenumbering{arabic}%
4482   %\pagestyle{plain}%
4483   \fancyhf{}%
4484   \ifthenelse{\boolean{@biditytfloat@twoside}}%
4485     {\fancyhead[LE,RO]{\thepage}}%
4486     {\fancyhead[RE,RO]{\thepage}}%
4487 }
4488 %%
4489 % The main matter in Tufte's /Beautiful Evidence/ doesn't restart the page
4490 % numbering---it continues where it left off in the front matter.
4491 \renewcommand\mainmatter{%
4492   \cleardoublepage%
4493   \@mainmattertrue%
4494   \fancyhf{}%
4495   \ifthenelse{\boolean{@biditytfloat@twoside}}%
4496     {\renewcommand{\chaptermark}[1]{\markboth{##1}{}}}%
4497     {\fancyhead[LE]{\thepage\quad\smallcaps{\newlinetospace{\plaintitle}}}% book title
4498     \fancyhead[RO]{\smallcaps{\newlinetospace{\leftmark}}\quad\thepage}% chapter title
4499     {\fancyhead[RE,RO]{\smallcaps{\newlinetospace{\plaintitle}}\quad\thepage}}% book title
4500 }
4501 %%
4502 % The back matter contains appendices, indices, glossaries, endnotes,
4503 % bibliographies, list of contributors, illustration credits, etc.
4504 \renewcommand\backmatter{%
4505   \if@openright%
4506     \cleardoublepage%
4507   \else%
4508     \clearpage%
4509   \fi%
4510   \@mainmatterfalse%
4511 }
4512 %%
4513 % Only show the chapter titles in the table of contents
4514 \setcounter{tocdepth}{0}
4515 \AtBeginDocument{%
4516   \IfFileExists{biditytfloat-book.cfg}
4517     {\input{biditytfloat-book.cfg}}
4518     \ClassInfo{biditytfloat-book}{Loading biditytfloat-book configuration file \@gobble}}
4519 {}%
4520 }

```

7.29 bidipoem.sty

```

4521 \NeedsTeXFormat{LaTeX2e}
4522 \ProvidesPackage{bidipoem}%
4523 [2014/02/05 v0.7 Environments for typesetting Persian traditional and modern poems]
4524 {\catcode\^M=\active % these lines must end with %

```




```

4525 \gdef\traditionalpoem@obeylines{\catcode\^^M\active \let^^M\traditionalpoem@par}%
4526 \global\let^^M\traditionalpoem@par} % this is in case ^^M appears in a \write
4527 {\catcode\^^M=\active % these lines must end with %
4528 \gdef\modernpoem@obeylines{\catcode\^^M\active \let^^M\modernpoem@par}%
4529 \global\let^^M\modernpoem@par} % this is in case ^^M appears in a \write
4530 \def\poemcolsepskip{.1\versewidth plus .1\versewidth minus .05\versewidth}
4531 \def\poemmarginskip{1em plus 1fil minus 1em}
4532 \def\poemextrabaseskip{0\baselineskip}
4533 \def\poemskip{\medskip}
4534 \newcommand{\bidipoem@openbox}{\leavevmode
4535 \hbox to.77778em{%
4536 \hfil\vrule
4537 \vbox to.675em{\hrule width.6em\vfil\hrule}%
4538 \vrule\hfil}}
4539 \def\poemblocksep{\quad\hbox{\bidipoem@openbox}}
4540 \newdimen\versewidth
4541 \newtoks\bidipoem@p@ftn
4542 \def\poem@verse#1{%
4543 \ifdim\wd#1>\new@poem@width
4544 \xdef\new@poem@width{\the\wd#1}%
4545 \ifdim\new@poem@width>\poem@width
4546 \xdef\poem@width{\new@poem@width}%
4547 \global\let\poem@needrun\relax
4548 \fi
4549 \fi
4550 \hbox to\poem@width{\unhbox#1}%
4551 \global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn%
4552 }
4553 \def\poem@linebegin{\vadjust{}\hskip\@flushglue\hskip\poemmarginskip\relax}
4554 \def\poem@lineend{\nobreak\hskip\poemmarginskip\hskip\@flushglue\vadjust{}}
4555 \def\poem@lineversesep{%
4556 \nobreak
4557 \hskip\z@ plus 1filll%
4558 \penalty600%
4559 \hskip\poemcolsepskip
4560 \hskip\z@ plus -2filll%
4561 \vadjust{}}%
4562 \nobreak
4563 \hskip\z@ plus 1filll%
4564 }
4565 \def\poem@lineparsebegin{%
4566 \halign\bgroup
4567 \global\setbox\verse@i=\hbox{%
4568 \let\@footnotetext\bidipoem@p@ftntext%
4569 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
4570 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
4571 \let\@xfootnotenext\bidipoem@p@xftntext%
4572 \let\@xfootnote\bidipoem@p@xfootnote%
4573 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
4574 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%

```



```

4575 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
4576 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
4577 \ignorespaces##\unskip}&&
4578 \global\setbox\verse@ii=\hbox{%
4579 \let\@footnotetext\bidipoem@p@ftntext%
4580 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
4581 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
4582 \let\@xfootnotenext\bidipoem@p@xftntext%
4583 \let\@xfootnote\bidipoem@p@xfootnote%
4584 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
4585 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
4586 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
4587 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
4588 \ignorespaces##\unskip}
4589 \cr
4590 }
4591 \def\poem@lineparseend{%
4592 \crcr\egroup
4593 \vskip-\baselineskip
4594 }
4595 \def\traditionalpoem@cr{%
4596 \cr\poem@line
4597 }
4598 \newbox\verse@i
4599 \newbox\verse@ii
4600 \newif\ifpoem@started
4601
4602 \def\poem@line{%
4603 \poem@lineparseend
4604 \ifdim\wd\verse@i>\z@\global\poem@startedtrue\fi
4605 \ifdim\wd\verse@ii>\z@\global\poem@startedtrue\fi
4606 \ifpoem@started
4607 \ifdim\wd\verse@ii>\z@\else
4608 \nopagebreak[3]
4609 \fi
4610 \leavevmode
4611 \poem@linebegin
4612 \poem@verse\verse@i
4613 \ifdim\wd\verse@ii>\z@
4614 \poem@lineversesep
4615 \poem@verse\verse@ii
4616 \fi
4617 \poem@lineend
4618 % \nopagebreak
4619 \par
4620 \vskip\poemextrabaselineskip
4621 \fi
4622 \poem@lineparsebegin
4623 }
4624 \def\@traditionalpoem{%

```



```

4625 \stepcounter{poem@no}
4626         \ifnum\max@poem@no<\number\c@poem@no%
4627 \xdef\poem@width{\z@}%
4628         \else
4629 \xdef\poem@width{\poem@prop{poem@width}}%
4630 \fi
4631 \xdef\new@poem@width{\z@}%
4632 \global\versewidth=\poem@width

4633 \poemskip\par
4634 \begingroup
4635 \tabskip=\z@
4636 \parskip=\z@
4637 \parindent=\z@
4638 \parfillskip=\z@
4639 \rightskip=\z@
4640 \leftskip=\z@
4641 \widowpenalty=10000% No break between verses of the same line.
4642 \clubpenalty=10000% Same as above. Not really needed.
4643 \def\newblock{\hfil\poemblocksep\hfil\null}%
4644 \def\traditionalpoem@par{\traditionalpoem@cr}% Redefine \par for possible \obeylines
4645 \def\{\{\global\poem@startedtrue\traditionalpoem@cr\}%
4646 \global\poem@startedfalse
4647 \csname poem@obeylines\endcsname
4648 \let\poem@obeylines\relax
4649 \poem@lineparsebegin
4650 }
4651 \def\@endtraditionalpoem{%
4652 \cr
4653 \ifdim\wd\verse@i>\z@\poem@line\else\ifdim\wd\verse@ii>\z@\poem@line\else
4654 \noalign{%
4655 \skip0=\poemextrabaselineskip
4656 \vskip-\skip0
4657 \vskip-\baselineskip
4658 }%
4659 \fi\fi
4660 \poem@lineparseend
4661 \endgroup
4662 \par
4663 \vskip\baselineskip
4664 \poemskip
4665 \if@nparlist \else
4666     \ifdim\lastskip >\z@
4667         \@tempskipa\lastskip \vskip -\lastskip
4668         \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
4669         \vskip\@tempskipa
4670     \fi
4671     \@endparenv
4672 \fi
4673 \ifdim\new@poem@width<\poem@width

```



```

4674 \global\let\poem@needrun\relax
4675 \fi
4676     \poem@write@aux{poem@width@\romannumeral\c@poem@no}{\new@poem@width}%
4677 \ifx\AtEndDocument\undefined\poem@finish\fi
4678 }
4679
4680
4681 \long\def\bidipoem@p@ftntext#1{%
4682   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\footnotetext[\the\csname c@\@mpfn\endcsname]}}%
4683   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
4684 \long\def\bidipoem@p@LTRftntext#1{%
4685   \edef\@tempxi{\the\bidipoem@p@ftn\noexpand\LTRfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
4686   \global\bidipoem@p@ftn\expandafter{\@tempxi{#1}}}%
4687 \long\def\bidipoem@p@RTLftntext#1{%
4688   \edef\@tempxii{\the\bidipoem@p@ftn\noexpand\RTLfootnotetext[\the\csname c@\@mpfn\endcsname]}}%
4689   \global\bidipoem@p@ftn\expandafter{\@tempxii{#1}}}%
4690
4691 \long\def\bidipoem@p@xftntext[#1]#2{%
4692   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\footnotetext[#1]{#2}}}
4693
4694 \long\def\bidipoem@p@xLTRftntext[#1]#2{%
4695   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\LTRfootnotetext[#1]{#2}}}
4696
4697 \long\def\bidipoem@p@xRTLftntext[#1]#2{%
4698   \global\bidipoem@p@ftn\expandafter{\the\bidipoem@p@ftn\RTLfootnotetext[#1]{#2}}}
4699
4700 \def\bidipoem@p@xfootnote[#1]{%
4701   \begingroup
4702     \csname c@\@mpfn\endcsname #1\relax
4703     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4704   \endgroup
4705   \@footnotemark\bidipoem@p@xftntext[#1]}
4706
4707 \def\bidipoem@p@xLTRfootnote[#1]{%
4708   \begingroup
4709     \csname c@\@mpfn\endcsname #1\relax
4710     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4711   \endgroup
4712   \@footnotemark\bidipoem@p@xLTRftntext[#1]}
4713
4714 \def\bidipoem@p@xRTLfootnote[#1]{%
4715   \begingroup
4716     \csname c@\@mpfn\endcsname #1\relax
4717     \unrestored@protected@xdef\@thefnmark{\thempfn}%
4718   \endgroup
4719   \@footnotemark\bidipoem@p@xRTLftntext[#1]}
4720
4721
4722
4723 \newenvironment{traditionalpoem}{\@traditionalpoem}{\@endtraditionalpoem}

```



```

4724 \expandafter\def\csname traditionalpoem*\endcsname{\let\poem@obeylines=\traditionalpoem@obeyli
4725 \expandafter\def\csname endtraditionalpoem*\endcsname{\endtraditionalpoem}
4726 \def\poem@finish{%
4727 \poem@write@aux{max@poem@no}{\number\c@poem@no}%
4728 \ifx\poem@needrun\relax
4729 \PackageWarning{bidipoem}{Unjustified poem. Rerun XeLaTeX to get poem right}%
4730 \global\let\poem@needrun\undefined
4731 \fi
4732 }
4733 \ifx\AtEndDocument\undefined\else\AtEndDocument\poem@finish\fi
4734 \newcounter{poem@no}\setcounter{poem@no}{\z@}
4735 \ifx\max@poem@no\undefined
4736 \def\max@poem@no{0}%
4737 \fi
4738 \newcommand{\poem@prop}[1]{\@nameuse{#1@\romannumeral\c@poem@no}}
4739 \newcommand{\poem@write@aux}[2]{%
4740 \def\x{\immediate\write\@auxout{\global\noexpand\@namedef{#1}{#2}}}%
4741 \x
4742 }
4743 \def\@modernpoem{%
4744 \par
4745 \begingroup
4746 \parskip=\z@
4747 \parindent=\z@
4748 \def\[{ \@settab\@tabplus\ignorespaces}%
4749 \def\]\[ \@tabminus\ignorespaces}%
4750 \def\newblock{\poemblocksep}%
4751 \let\newpoem@tabcr\@tabcr
4752 \def\modernpoem@par{% Redefine \par for possible \obeylines
4753 \ifpoem@started\else
4754 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
4755 \@stopfield
4756 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
4757 \@contfield
4758 \fi
4759 \fi
4760 \ifpoem@started\newpoem@tabcr\fi}%
4761 \def\@tabcr{\global\poem@startedtrue\newpoem@tabcr}%
4762 \global\poem@startedfalse
4763 \csname poem@obeylines\endcsname
4764 \let\poem@obeylines\relax
4765 \begin{tabbing}%
4766 }
4767 \def\@endmodernpoem{%
4768 \global\poem@startedfalse
4769 \ifdim\wd\@curline>\z@\global\poem@startedtrue\else
4770 \@stopfield
4771 \ifdim\wd\@curfield>\z@\global\poem@startedtrue\fi
4772 \@contfield
4773 \fi

```



```

4774 \ifpoem@started\else\let\@stopline\@stopfield\fi
4775 \end{tabbing}%
4776 \endgroup
4777 \par
4778 \if@noparlist \else
4779 \ifdim\lastskip >\z@
4780 \@tempskipa\lastskip \vskip -\lastskip
4781 \advance\@tempskipa\parskip \advance\@tempskipa -\@outerparskip
4782 \vskip\@tempskipa
4783 \fi
4784 \@endparenv
4785 \fi
4786 }
4787 \newenvironment{modernpoem}{\@modernpoem}{\@endmodernpoem}
4788 \expandafter\def\csname modernpoem*\endcsname{\let\poem@obeylines=\modern
4789 \expandafter\def\csname endmodernpoem*\endcsname{\endmodernpoem}
4790 \gdef\@startfield{%
4791 \global\setbox\@curfield\hbox\bgroup%
4792 \let\@footnotetext\bidipoem@p@ftntext%
4793 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
4794 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
4795 \let\@xfootnotenext\bidipoem@p@xftntext%
4796 \let\@xfootnote\bidipoem@p@xfootnote%
4797 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
4798 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
4799 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
4800 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
4801 \color@begingroup}
4802 \gdef\@stopfield{%
4803 \color@endgroup\egroup\global\bidipoem@p@ftn\expandafter{\expandafter}\the\bidipoem@p@ftn}
4804 \gdef\@contfield{%
4805 \global\setbox\@curfield\hbox\bgroup%
4806 \let\@footnotetext\bidipoem@p@ftntext%
4807 \let\@LTRfootnotetext\bidipoem@p@LTRftntext%
4808 \let\@RTLfootnotetext\bidipoem@p@RTLftntext%
4809 \let\@xfootnotenext\bidipoem@p@xftntext%
4810 \let\@xfootnote\bidipoem@p@xfootnote%
4811 \let\@xLTRfootnotenext\bidipoem@p@xLTRftntext%
4812 \let\@xLTRfootnote\bidipoem@p@xLTRfootnote%
4813 \let\@xRTLfootnotenext\bidipoem@p@xRTLftntext%
4814 \let\@xRTLfootnote\bidipoem@p@xRTLfootnote%
4815 \color@begingroup\unhbox\@curfield}

```

7.30 boek3-xetex-bidi.def

```

4816 \ProvidesFile{boek3-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for boek3 class for XeTeX en
4817 \renewenvironment{theindex}{%
4818 \if@twocolumn
4819 \@restonecolfalse
4820 \else

```



```

4821 \@restonecoltrue
4822 \fi
4823 \columnseprule \z@
4824 \columnsep 35\p@
4825 \twocolumn[\@makeschapterhead{\indexname}]{%
4826 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
4827 \thispagestyle{plain}\parindent\z@
4828 \parskip\z@ \@plus .3\p@\relax
4829 \let\item\@idxitem
4830 }{%
4831 \if@restonecol\onecolumn\else\clearpage\fi}
4832 \renewcommand*{\head@style}{%
4833 \interlinepenalty \@M
4834 \hyphenpenalty=\@M \exhyphenpenalty=\@M
4835 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
4836 \renewcommand*\@regtocline[3]{%
4837 \ifnum #1>\c@tocdepth
4838 \else
4839 \vskip\z@\@plus.2\p@
4840 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
4841 \if@RTL\rightskip\else\leftskip\fi\unitindent
4842 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
4843 \parfillskip\z@
4844 \@tempdima\unitindent
4845 \parindent\z@
4846 \leavevmode
4847 \hbox{} \hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
4848 \hskip 1em \nobreak{\slshape #3}\par
4849 }%
4850 \fi}
4851 \if@oldtoc
4852 \renewcommand*\l@part[2]{%
4853 \ifnum \c@tocdepth >-2\relax
4854 \addpenalty{-\@highpenalty}%
4855 \addvspace{2.25em \@plus\p@}%
4856 \begingroup
4857 \setlength\@tempdima{3em}%
4858 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
4859 \parfillskip -\@pnumwidth
4860 {\leavevmode
4861 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
4862 \nobreak
4863 \global\@nobreaktrue
4864 \everypar{\global\@nobreakfalse\everypar{}}%
4865 \endgroup
4866 \fi}
4867 \else
4868 \renewcommand*\l@part{%
4869 \ifnum \c@tocdepth >-2\relax
4870 \addpenalty{-\@highpenalty}%

```



```

4871 \addvspace{2.25em \@plus \p}%
4872 \@regtocline{0}%
4873 \fi}
4874 \fi
4875 \if@oldtoc
4876 \renewcommand*{\l@chapter[2]{%
4877 \addpenalty{-\@highpenalty}%
4878 \vskip 1.0em \@plus \p@
4879 \setlength\@tempdima{1.5em}%
4880 \begingroup
4881 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
4882 \parfillskip -\@pnumwidth
4883 \leavevmode \bfseries
4884 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
4885 \hskip -\if@RTL\rightskip\else\leftskip\fi
4886 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
4887 \penalty\@highpenalty
4888 \endgroup}
4889 \else
4890 \renewcommand*{\l@chapter{\@regtocline{0}}}
4891 \fi
4892 \renewenvironment{abstract}{%
4893 \titlepage
4894 \null\vfil
4895 \section*{\SectFont \abstractname}
4896 \noindent\ignorespaces
4897 {\par\vfil\null\endtitlepage}
4898 \renewenvironment{thebibliography}[1]
4899 {\chapter*{\bibname}%
4900 \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
4901 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
4902 \list{\@biblabel{\@arabic\c@enumiv}}%
4903 {\settowidth\labelwidth{\@biblabel{#1}}%
4904 \leftmargin\labelwidth
4905 \advance\leftmargin\labelsep
4906 \@openbib@code
4907 \usecounter{enumiv}%
4908 \let\p@enumiv\@empty
4909 \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
4910 \sloppy\clubpenalty4000\widowpenalty4000%
4911 \sfcode`\.\@m}
4912 {\def\@noitemerr
4913 {\@latex@warning{Empty `thebibliography' environment}}}%
4914 \endlist}
4915 \renewcommand*{\left@footnoterule{%
4916 \kern-3\p@
4917 \kern.5\baselineskip
4918 \hrule\@width\unitindent
4919 \kern.4\baselineskip
4920 }

```




```

4921 \renewcommand*\right@footnoterule{%
4922   \hbox to \columnwidth
4923     {\beginR \vbox{%
4924       \kern-3\p@
4925       \kern.5\baselineskip
4926       \hrule\@width\unitindent
4927       \kern.4\baselineskip}\hfil\endR}
4928 }
4929 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
4930 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
4931 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
4932 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
4933 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
4934 \renewcommand*\theequation{%
4935   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
4936 \renewcommand*\thefigure{%
4937   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
4938 \renewcommand*\thetable{%
4939   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
4940 \renewcommand*\maketitle{%
4941   \begin{titlepage}%
4942     \let\footnotesize\small
4943     \let\right@footnoterule\relax
4944     \let\left@footnoterule\relax
4945     \let\textwidth\footnoterule\relax
4946     \let \footnote \thanks
4947     \long\def\@makefnmark##1{\parindent\z@
4948       \def\labelitemi{\textendash}\@revlabeltrue
4949       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
4950     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
4951     \if@compatibility\setcounter{page}{0}\fi
4952     \null\vfil
4953     \vskip 60\p@
4954     \begin{center}%
4955       \TitleFont
4956       {\LARGE \def\\{\penalty -\@M}
4957         \if@allcaps
4958           \expandafter\uc@nothanks\@title\thanks\relax
4959         \else
4960           \@title
4961         \fi\par}%
4962     \vskip 3em%
4963     {\large
4964       \lineskip .75em \parindent\z@
4965       \begin{tabular}[t]{c}%
4966         \if@allcaps
4967           \expandafter\uc@authornothanks\@author\and\relax
4968         \else
4969           \@author
4970         \fi

```



```

4971         \end{tabular}\par}%
4972     \vskip 1.5em%
4973     {\large
4974         \if@allcaps
4975             \uppercase\expandafter{\@date}%
4976         \else
4977             \@date
4978         \fi\par}%
4979     \end{center}\par
4980     \@thanks
4981     \vfil\null
4982 \end{titlepage}%
4983 \setcounter{footnote}{0}%
4984 \global\let\thanks\relax
4985 \global\let\maketitle\relax
4986 \global\let\@thanks\@empty
4987 \global\let\@author\@empty
4988 \global\let\@title\@empty
4989 \global\let\@date\@empty
4990 \global\let\title\relax
4991 \global\let\author\relax
4992 \global\let\date\relax
4993 \global\let\and\relax
4994 }

```

7.31 boek-xetex-bidi.def

```

4995 \ProvidesFile{boek-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for boek class for XeTeX engi
4996 \renewenvironment{theindex}{%
4997     \if@twocolumn
4998         \@restonecolfalse
4999     \else
5000         \@restonecoltrue
5001     \fi
5002     \columnseprule \z@
5003     \columnsep 35\p@
5004     \twocolumn[\@makeschapterhead{\indexname}]%
5005     \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
5006     \thispagestyle{plain}\parindent\z@
5007     \parskip\z@ \@plus .3\p@\relax
5008     \let\item\@idxitem
5009 }{%
5010     \if@restonecol\onecolumn\else\clearpage\fi}
5011 \renewcommand*{\head@style}{%
5012     \interlinepenalty \@M
5013     \hyphenpenalty=\@M \exhyphenpenalty=\@M
5014     \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
5015 \renewcommand*{\regtocline}[3]{%
5016     \ifnum #1>\c@tocdepth
5017     \else

```



```

5018 \vskip\z@\@plus.2\p@
5019 {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
5020 \if@RTL\rightskip\else\leftskip\fi\unitindent
5021 \if@RTL\leftskip\else\rightskip\fi\unitindent\@plus 1fil
5022 \parfillskip\z@
5023 \@tempdima\unitindent
5024 \parindent\z@
5025 \leavevmode
5026 \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
5027 \hskip 1em \nobreak{\slshape #3}\par
5028 }%
5029 \fi}
5030 \if@oldtoc
5031 \renewcommand*\l@part[2]{%
5032 \ifnum \c@tocdepth >-2\relax
5033 \addpenalty{-\@highpenalty}%
5034 \addvspace{2.25em \@plus\p@}%
5035 \begingroup
5036 \setlength\@tempdima{3em}%
5037 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5038 \parfillskip -\@pnumwidth
5039 {\leavevmode
5040 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5041 \nobreak
5042 \global\@nobreaktrue
5043 \everypar{\global\@nobreakfalse\everypar{}}%
5044 \endgroup
5045 \fi}
5046 \else
5047 \renewcommand*\l@part{%
5048 \ifnum \c@tocdepth >-2\relax
5049 \addpenalty{-\@highpenalty}%
5050 \addvspace{2.25em \@plus\p@}%
5051 \@regtocline{0}%
5052 \fi}
5053 \fi
5054 \if@oldtoc
5055 \renewcommand*\l@chapter[2]{%
5056 \addpenalty{-\@highpenalty}%
5057 \vskip 1.0em \@plus\p@
5058 \setlength\@tempdima{1.5em}%
5059 \begingroup
5060 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5061 \parfillskip -\@pnumwidth
5062 \leavevmode \bfseries
5063 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5064 \hskip -\if@RTL\rightskip\else\leftskip\fi
5065 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5066 \penalty\@highpenalty
5067 \endgroup}

```



```

5068 \else
5069   \renewcommand*\l@chapter{\@regtocline{0}}
5070 \fi
5071 \renewcommand*\left@footnoterule{%
5072   \kern-3\p@
5073   \kern.5\baselineskip
5074   \hrule\@width\unitindent
5075   \kern.4\baselineskip
5076 }
5077 \renewcommand*\right@footnoterule{%
5078   \hbox to \columnwidth
5079   {\beginR \vbox{%
5080     \kern-3\p@
5081     \kern.5\baselineskip
5082     \hrule\@width\unitindent
5083     \kern.4\baselineskip}\hfil\endR}
5084 }
5085 \renewenvironment{abstract}{%
5086   \titlepage
5087   \null\vfil
5088   \section*\SectFont \abstractname}
5089   \noindent\ignorespaces}
5090   {\par\vfil\null\endtitlepage}
5091 \renewenvironment{thebibliography}[1]
5092   {\chapter*\bibname}%
5093   \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5094   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5095   \list{\@biblabel{\@arabic\c@enumiv}}%
5096     {\settowidth\labelwidth{\@biblabel{#1}}%
5097     \leftmargin\labelwidth
5098     \advance\leftmargin\labelsep
5099     \@openbib@code
5100     \usecounter{enumiv}%
5101     \let\p@enumiv\@empty
5102     \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
5103   \sloppy\clubpenalty4000\widowpenalty4000%
5104   \sfcode\.\@m}
5105   {\def\@noitemerr
5106     {\@latex@warning{Empty `thebibliography' environment}}}%
5107   \endlist}
5108 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
5109 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
5110 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
5111 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
5112 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
5113 \renewcommand*\theequation{%
5114   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
5115 \renewcommand*\thefigure{%
5116   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
5117 \renewcommand*\thetable{%

```



```

5118 \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
5119 \renewcommand*\maketitle{%
5120 \begin{titlepage}%
5121 \let\footnotesize\small
5122 \let\right@footnoterule\relax
5123 \let\left@footnoterule\relax
5124 \let\textwidth@footnoterule\relax
5125 \let\footnote\thanks
5126 \long\def\@makefnmark##1{\parindent\z@
5127 \def\labelitemi{\textendash}\@revlabeltrue
5128 \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
5129 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
5130 \if@compatibility\setcounter{page}{0}\fi
5131 \null\vfil
5132 \vskip 60\p@
5133 \begin{center}%
5134 \TitleFont
5135 {\LARGE \def\\{\penalty -\@M}
5136 \if@allcaps
5137 \expandafter\uc@nothanks\@title\thanks\relax
5138 \else
5139 \@title
5140 \fi\par}%
5141 \vskip 3em%
5142 {\large
5143 \lineskip .75em \parindent\z@
5144 \begin{tabular}[t]{c}%
5145 \if@allcaps
5146 \expandafter\uc@authornothanks\@author\and\relax
5147 \else
5148 \@author
5149 \fi
5150 \end{tabular}\par}%
5151 \vskip 1.5em%
5152 {\large
5153 \if@allcaps
5154 \uppercase\expandafter{\@date}%
5155 \else
5156 \@date
5157 \fi\par}%
5158 \end{center}\par
5159 \@thanks
5160 \vfil\null
5161 \end{titlepage}%
5162 \setcounter{footnote}{0}%
5163 \global\let\thanks\relax
5164 \global\let\maketitle\relax
5165 \global\let\@thanks\@empty
5166 \global\let\@author\@empty
5167 \global\let\@title\@empty

```



```

5168 \global\let\@date\@empty
5169 \global\let\title\relax
5170 \global\let\author\relax
5171 \global\let\date\relax
5172 \global\let\and\relax
5173 }

```

7.32 bookest-xetex-bidi.def

```

5174 \ProvidesFile{bookest-xetex-bidi.def}[2010/07/25 v0.4 bidi adaptations for bookest class for XeT
5175 \def\@makechapterhead#1{%
5176   \vspace*{20\p@}
5177   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
5178     \ifnum \c@secnumdepth >\m@ne
5179       \if@mainmatter
5180         {\colorA\huge\scshape \@chapapp\space \thechapter}
5181         \par\nobreak
5182         \vskip 10\p@
5183       \fi
5184     \fi
5185     \interlinepenalty\@M
5186     {\colorB\hrule}
5187     \vskip 15\p@
5188     \if@RTL\begin{flushleft}\else\begin{flushright}\fi
5189     {\colorA\Huge \bfseries #1}\par\nobreak
5190     \if@RTL\end{flushleft}\else\end{flushright}\fi
5191     \vskip 5\p@
5192     {\colorB\hrule}
5193     \vskip 30\p@
5194   }}
5195 \def\@makeschapterhead#1{%
5196   \vspace*{20\p@}
5197   {\parindent \z@ \raggedright \normalfont
5198     {\colorB\hrule}
5199     \vskip 15\p@
5200     \begin{center}
5201       {\colorA\Huge \bfseries #1}\par\nobreak
5202     \end{center}
5203     \vskip 5\p@
5204     {\colorB\hrule}
5205     \vskip 30\p@
5206   }}

```

7.33 book-xetex-bidi.def

```

5207 \ProvidesFile{book-xetex-bidi.def}[2011/08/26 v0.8 bidi adaptations for standard book class for X
5208 \renewenvironment{theindex}
5209   {\if@twocolumn
5210     \@restonecolfalse
5211     \else
5212     \@restonecoltrue

```



```

5213             \fi
5214             \columnseprule \z@
5215             \columnsep 35\p@
5216             \twocolumn[\@makeschapterhead{\indexname}]%
5217             \@mkboth{\MakeUppercase\indexname}%
5218                 {\MakeUppercase\indexname}%
5219             \thispagestyle{plain}\parindent\z@
5220             \parskip\z@ \@plus .3\p@\relax
5221             \let\item\@idxitem}
5222         {\if@restonecol\onecolumn\else\clearpage\fi}
5223 \@ifclassloaded{bookest}{\}{%
5224   \if@titlepage
5225     \renewcommand\maketitle{\begin{titlepage}%
5226       \let\footnotesize\small
5227       \let\right@footnoterule\relax
5228       \let\left@footnoterule\relax
5229       \let\textwidth\footnoterule\relax
5230       \let \footnote \thanks
5231       \let \LTRfootnote \LTRthanks
5232       \let \RTLfootnote \RTLthanks
5233       \null\vfil
5234       \vskip 60\p@
5235       \begin{center}%
5236         {\LARGE \@title \par}%
5237         \vskip 3em%
5238         {\large
5239           \lineskip .75em%
5240           \begin{tabular}[t]{c}%
5241             \@author
5242           \end{tabular}\par}%
5243         \vskip 1.5em%
5244         {\large \@date \par}%           % Set date in \large size.
5245       \end{center}\par
5246       \@thanks
5247       \vfil\null
5248     \end{titlepage}%
5249     \setcounter{footnote}{0}%
5250     \global\let\thanks\relax
5251     \global\let\LTRthanks\relax
5252     \global\let\RTLthanks\relax
5253     \global\let\maketitle\relax
5254     \global\let\@thanks\@empty
5255     \global\let\@author\@empty
5256     \global\let\@date\@empty
5257     \global\let\@title\@empty
5258     \global\let\title\relax
5259     \global\let\author\relax
5260     \global\let\date\relax
5261     \global\let\and\relax
5262 }

```



```

5263 \else
5264 \renewcommand\maketitle{\par
5265   \begin{group}
5266     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
5267     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
5268     \long\def\@makefntext##1{\parindent 1em\noindent
5269       \hb@xt@1.8em{%
5270         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
5271     \if@twocolumn
5272       \ifnum \col@number=\@ne
5273         \@maketitle
5274       \else
5275         \twocolumn[\@maketitle]%
5276       \fi
5277     \else
5278       \newpage
5279       \global\@topnum\z@ % Prevents figures from going at top of page.
5280       \@maketitle
5281     \fi
5282     \thispagestyle{plain}\@thanks
5283   \end{group}
5284   \setcounter{footnote}{0}%
5285   \global\let\thanks\relax
5286   \global\let\LTRthanks\relax
5287   \global\let\RTLthanks\relax
5288   \global\let\maketitle\relax
5289   \global\let\@maketitle\relax
5290   \global\let\@thanks\@empty
5291   \global\let\@author\@empty
5292   \global\let\@date\@empty
5293   \global\let\@title\@empty
5294   \global\let\title\relax
5295   \global\let\author\relax
5296   \global\let\date\relax
5297   \global\let\and\relax
5298 }
5299 \def\@maketitle{%
5300   \newpage
5301   \null
5302   \vskip 2em%
5303   \begin{center}%
5304     \let \footnote \thanks
5305     \let \LTRfootnote \LTRthanks
5306     \let \RTLfootnote \RTLthanks
5307     {\LARGE \@title \par}%
5308     \vskip 1.5em%
5309     {\large
5310       \lineskip .5em%
5311       \begin{tabular}[t]{c}%
5312         \@author

```




```

5313 \end{tabular}\par}%
5314 \vskip 1em%
5315 {\large \@date}%
5316 \end{center}%
5317 \par
5318 \vskip 1.5em}
5319 \fi}
5320 \renewcommand*\l@part[2]{%
5321 \ifnum \c@tocdepth >-2\relax
5322 \addpenalty{-\@highpenalty}%
5323 \addvspace{2.25em \@plus\p@}%
5324 \setlength\@tempdima{3em}%
5325 \begingroup
5326 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5327 \parfillskip -\@pnumwidth
5328 {\leavevmode
5329 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
5330 \nobreak
5331 \global\@nobraektrue
5332 \everypar{\global\@nobraekfalse\everypar{}}%
5333 \endgroup
5334 \fi}
5335 \renewcommand*\l@chapter[2]{%
5336 \ifnum \c@tocdepth >\m@ne
5337 \addpenalty{-\@highpenalty}%
5338 \vskip 1.0em \@plus\p@
5339 \setlength\@tempdima{1.5em}%
5340 \begingroup
5341 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5342 \parfillskip -\@pnumwidth
5343 \leavevmode \bfseries
5344 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
5345 \hskip -\if@RTL\rightskip\else\leftskip\fi
5346 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5347 \penalty\@highpenalty
5348 \endgroup
5349 \fi}
5350 \renewcommand\left@footnoterule{%
5351 \kern-3\p@
5352 \hrule\@width.4\columnwidth
5353 \kern2.6\p@}
5354 \renewcommand\right@footnoterule{%
5355 \hbox to \columnwidth
5356 {\beginR \vbox{%
5357 \kern-3\p@
5358 \hrule\@width.4\columnwidth
5359 \kern2.6\p@}\hfil\endR}}
5360 \renewcommand\theequation
5361 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
5362 \renewcommand \thefigure

```



```

5363     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
5364 \renewcommand \thetable
5365     {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
5366 \renewcommand \thechapter {\@arabic\c@chapter}
5367 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
5368 \renewcommand \thesubsection {\thesection\@SepMark\@arabic\c@subsection}
5369 \renewcommand \thesubsubsection {\thesubsection \@SepMark\@arabic\c@subsubsection}
5370 \renewcommand \theparagraph {\thesubsubsection \@SepMark\@arabic\c@paragraph}
5371 \renewcommand \thesubparagraph {\theparagraph \@SepMark\@arabic\c@subparagraph}
5372 \def\@makechapterhead#1{%
5373     \vspace*{50p@}%
5374     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
5375         \ifnum \c@secnumdepth >\m@ne
5376             \if@mainmatter
5377                 \huge\bfseries \@chapapp\space \thechapter
5378                 \par\nobreak
5379                 \vskip 20p@
5380             \fi
5381             \fi
5382             \interlinepenalty\@M
5383             \Huge \bfseries #1\par\nobreak
5384             \vskip 40p@
5385         }}
5386 \def\@makeschapterhead#1{%
5387     \vspace*{50p@}%
5388     {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
5389         \normalfont
5390         \interlinepenalty\@M
5391         \Huge \bfseries #1\par\nobreak
5392         \vskip 40p@
5393     }}
5394 \renewcommand\backmatter{%
5395     \if@openright
5396         \cleardoublepage
5397     \else
5398         \clearpage
5399     \fi
5400     \@mainmatterfalse}
5401 \renewenvironment{thebibliography}[1]
5402     {\chapter*{\bibname}%
5403         \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
5404         \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
5405         \list{\@biblabel{\@arabic\c@enumiv}}%
5406             {\settowidth\labelwidth{\@biblabel{#1}}%
5407                 \leftmargin\labelwidth
5408                 \advance\leftmargin\labelsep
5409                 \@openbib@code
5410                 \usecounter{enumiv}%
5411                 \let\p@enumiv\@empty
5412                 \renewcommand\theenumiv{\@arabic\c@enumiv}}%

```



```

5413 \sloppy
5414 \clubpenalty4000
5415 \@clubpenalty \clubpenalty
5416 \widowpenalty4000%
5417 \sfcode`.\@m}
5418 {\def\@noitemerr
5419 {\@latex@warning{Empty `thebibliography' environment}}}%
5420 \endlist}

```

7.34 breqn-xetex-bidi.def

```

5421 \ProvidesFile{breqn-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for breqn package for XeTeX]
5422 \def\@dmath[#1]{\if@RTL\@RTLfalse\fi%
5423 \everydisplay\expandafter{\the\everydisplay \display@setup}%
5424 \if@noskipsec \leavevmode \fi
5425 \if@inlabel \leavevmode \global\@inlabelfalse \fi
5426 \if\eq@group\else\eq@prelim\fi
5427 \setkeys{breqn}{#1}%
5428 \the\eqstyle
5429 \eq@setnumber
5430 \begingroup
5431 \eq@setup@a
5432 \eq@startup
5433 }
5434 \def\@dgroup[#1]{\if@RTL\@RTLfalse\fi%
5435 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
5436 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
5437 \global\let\GRP@label\@empty
5438 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
5439 \global\grp@linewidth\z@\global\grp@wdNum\z@
5440 \global\let\grp@eqs@numbered\@False
5441 \global\let\grp@aligned\@True
5442 \global\let\grp@shiftnumber\@False
5443 \eq@prelim
5444 \setkeys{breqn}{#1}%
5445 \if\grp@hasNumber \grp@setnumber \fi
5446 }
5447 \def\@dseries[#1]{\if@RTL\@RTLfalse\fi%
5448 \let\display@setup\dseries@display@setup
5449 % Question: should this be the default for dseries???
5450 \global\eq@wdCond\z@
5451 \@dmath[layout={M},#1]%
5452 \mathsurround\z@\@math \penalty\@Mi
5453 \let\endmath\ends@math
5454 \def\premath{%
5455 \ifdim\lastskip<.3em \unskip
5456 \else\ifnum\lastpenalty<\@M \dquad\fi\fi
5457 }%
5458 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
5459 \ignorespaces

```



```

5460 }
5461 \def\eqnumform#1{\if@Latin\else\beginR\@RTLtrue\fi(#1\@italiccorr)\if@Latin\else\endR\fi}
5462 \renewenvironment{dsuspend}{%
5463   \global\setbox\EQ@box\vbox\bgroup\if@Latin\else\@RTLtrue\fi \@parboxrestore
5464   \parshape 1 \displayindent \displaywidth\relax
5465   \hsize=\columnwidth \noindent\ignorespaces
5466 }{%
5467   \par\egroup
5468   \global\setbox\GRP@box\vbox{%
5469     \hbox{\copy\EQ@box\vtop{\unvbox\EQ@box}}%
5470     \unvbox\GRP@box
5471   }%
5472   \global\GRP@queue\@xp{\the\GRP@queue
5473     \@elt{\let\eq@isIntertext\@True}%
5474   }%
5475 }

```

7.35 cals-xetex-bidi.def

```

5476 \ProvidesFile{cals-xetex-bidi.def}[2013/05/28 v0.3 bidi adaptations for cals package for XeTeX en
5477 \renewenvironment{calstable}[1][c]{%
5478 \if@RTL\@RTLtabtrue\cals@activate@rtl\fi
5479 \if l#1%
5480 \if@RTLtab\leftskip\fill \rightskip\z@\else\leftskip\z@ \rightskip\fill\fi
5481 \else\if r#1%
5482 \if@RTLtab\leftskip\z@ \rightskip\fill\else\leftskip\fill \rightskip\z@\fi
5483 \else\if c#1%
5484 \leftskip\fill \rightskip\fill
5485 \fi\fi\fi
5486 \let\cals@thead@tokens=\relax
5487 \let\cals@tfoot@tokens=\relax
5488 \let\cals@tbreak@tokens=\relax
5489 \cals@tfoot@height=0pt \relax
5490 \let\cals@last@context=n%
5491 \let\cals@current@context=b%
5492 \parindent=0pt %
5493 \cals@setpadding{Ag}\cals@setcellprevdepth{Al}\cals@set@tohsize%
5494 %% Alignment inside is independent on center/flushright outside
5495 \parfillskip=0pt plus1fil\relax
5496 \let\cals@borderL=\relax
5497 \let\cals@borderR=\relax
5498 \let\cals@borderT=\relax
5499 \let\cals@borderB=\relax
5500 }{% End of the table
5501 \cals@tfoot@tokens\lastrule\@RTLtabfalse}
5502
5503 \renewcommand\alignL{%
5504 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0 plus 1fil\else\cals@paddingL=\dimen0\fi
5505 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}
5506

```



```

5507 \renewcommand\alignR{%
5508 \dimen0=\cals@paddingL \if@RTLtab\cals@paddingL=\dimen0\else\cals@paddingL=\dimen0 plus 1fill\fi
5509 \dimen0=\cals@paddingR \cals@paddingR=\dimen0 \relax}

```

7.36 caption-xetex-bidi.def

```

5510 \ProvidesFile{caption-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for caption package for Xe
5511 \let\@makecaption\caption@makecaption

```

7.37 caption3-xetex-bidi.def

```

5512 \ProvidesFile{caption3-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for caption3 package for Xe
5513 \renewcommand*\caption@par{%
5514 \parindent\caption@parindent\hangindent\if@RTL-\fi\caption@hangindent}%

```

7.38 colortbl-xetex-bidi.def

```

5515 \ProvidesFile{colortbl-xetex-bidi.def}[2012/06/10 v0.2 bidi adaptations for colortbl package for Xe
5516 \def\CT@setup{%
5517 \@tempdimb\col@sep
5518 \@tempdimc\col@sep
5519 \def\CT@color{%
5520 \global\let\CT@do@color\CT@@do@color
5521 \bidicolor}}
5522 \def\@classz{\@classx
5523 \@tempcnta \count@
5524 \prepnext@tok
5525 \expandafter\CT@extract\the\toks\@tempcnta\columncolor!\@nil
5526 \@addtopreamble{\if@RTLtab\beginL\fi%
5527 \setbox\z@\hbox\bgroup\bgroup\if@RTLtab\beginR\fi
5528 \ifcase \@chnum
5529 \hskip\stretch{.5}\kern\z@
5530 \d@llarbegin
5531 \insert@column
5532 \d@llarend\hskip\stretch{.5}\or
5533 \d@llarbegin \insert@column \d@llarend \hfill \or
5534 \hfill\kern\z@ \d@llarbegin \insert@column \d@llarend \or
5535 $\vcenter
5536 \@startpbox{\@nextchar}\insert@column \@endpbox $\or
5537 \vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
5538 \vbox \@startpbox{\@nextchar}\insert@column \@endpbox
5539 \fi
5540 \if@RTLtab\endR\fi\egroup\egroup
5541 \begingroup
5542 \CT@setup
5543 \CT@column@color
5544 \CT@row@color
5545 \CT@cell@color
5546 \CT@do@color
5547 \endgroup
5548 \@tempdima\ht\z@
5549 \advance\@tempdima\minrowclearance

```



```

5550      \vrule\@height\@tempdima\@width\z@
5551      \unhbox\z@\if@RTLtab\endL\fi}%
5552  \prepnext@tok}

```

7.39 color-xetex-bidi.def

```

5553 \ProvidesFile{color-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for color package for XeTeX]
5554 \long\def\color@b@x#1#2#3{%
5555   \leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
5556   \setbox\z@\hbox{\kern\fbboxsep{\set@color\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
5557   \dimen@ \ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
5558   \dimen@ \dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
5559   {#1{#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}%
5560     \box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
5561 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
5562 \DeclareRobustCommand\color{%
5563   \ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor]
5564   \def\@declaredcolor#1{%
5565     \@ifundefined{\string\color @#1}%
5566     {\c@lor@error{`#1'}}%
5567     {\expandafter\let\expandafter\current@color
5568       \csname\string\color @#1\endcsname
5569       \set@color}%
5570   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
5571 \def\@undeclaredcolor[#1]#2{%
5572   \@ifundefined{color@#1}%
5573   {\c@lor@error{model `#1'}}%
5574   {\csname color@#1\endcsname\current@color{#2}%
5575     \set@color}%
5576   \ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
5577 \DeclareRobustCommand\bidicolor{%
5578   \@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor]
5579   \def\@bidiundeclaredcolor[#1]#2{%
5580     \@ifundefined{color@#1}%
5581     {\c@lor@error{model `#1'}}%
5582     {\csname color@#1\endcsname\current@color{#2}%
5583       \set@color}%
5584     \ignorespaces}
5585 \def\@bidideclaredcolor#1{%
5586   \@ifundefined{\string\color @#1}%
5587   {\c@lor@error{`#1'}}%
5588   {\expandafter\let\expandafter\current@color
5589     \csname\string\color @#1\endcsname
5590     \set@color}%
5591   \ignorespaces}
5592 \def\color@b@x#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
5593 \def\color@fbbox#1#2#3{%
5594   \color@b@x{\fbboxsep\z@\bidicolor#1{#2}\fbbox}{\bidicolor#1{#3}}}
5595 \def\color@setgroup{\begingroup\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode\fi}

```



7.40 combine-xetex-bidi.def

```
5596 \ProvidesFile{combine-xetex-bidi.def}[2011/09/23 v0.1 bidi adaptations for combine class for XeTeX]
5597 \renewcommand{\c@ll@chapsecii}[2]{%
5598   \if@RTL\advance\rightskip\@tempdima\else\advance\leftskip\@tempdima\fi
5599   \if@RTL\hskip -\rightskip\else\hskip -\leftskip\fi
5600   #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
5601 }
5602 \renewcommand{\c@ll@chapseci}{%
5603   \setlength\@tempdima{0em}%
5604   \begin{group}
5605     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
5606     \parfillskip -\@pnumwidth
5607     \leavevmode
5608   }
5609 \renewenvironment{tocindent}[1]{%
5610   \hangindent \if@RTL-\fi#1 \hangafter -100\relax}{}
```

7.41 crop-xetex-bidi.def

```
5611 \ProvidesFile{crop-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for crop package for XeTeX engine]
5612 \renewcommand*\CROP@ulc{%
5613   \if@RTLmain%
5614     \begin{picture}(0,0)
5615       \unitlength\p@\thinline
5616       \put(-40,0){\circle{10}}
5617       \put(-30,-5){\line(0,1){10}}
5618       \put(-35,0){\line(1,0){30}}
5619       \put(-10,30){\circle{10}}
5620       \put(-5,30){\line(1,0){10}}
5621       \put(0,35){\line(0,-1){30}}
5622     \end{picture}%
5623   \else%
5624     \begin{picture}(0,0)
5625       \unitlength\p@\thinline
5626       \put(-30,0){\circle{10}}
5627       \put(-30,-5){\line(0,1){10}}
5628       \put(-35,0){\line(1,0){30}}
5629       \put(0,30){\circle{10}}
5630       \put(-5,30){\line(1,0){10}}
5631       \put(0,35){\line(0,-1){30}}
5632     \end{picture}%
5633   \fi%
5634 }
5635 \renewcommand*\CROP@urc{%
5636   \if@RTLmain%
5637     \begin{picture}(0,0)
5638       \unitlength\p@\thinline
5639       \put(20,0){\circle{10}}
5640       \put(30,-5){\line(0,1){10}}
5641       \put(35,0){\line(-1,0){30}}
5642     \end{picture}%
5643   \else%
5644     \begin{picture}(0,0)
5645       \unitlength\p@\thinline
5646       \put(20,0){\circle{10}}
5647       \put(30,-5){\line(0,1){10}}
5648       \put(35,0){\line(-1,0){30}}
5649     \end{picture}%
5650   \fi%
5651 }
```



```

5642         \put(-10,30){\circle{10}}
5643         \put(-5,30){\line(1,0){10}}
5644         \put(0,35){\line(0,-1){30}}
5645     \end{picture}%
5646 \else%
5647     \begin{picture}(0,0)
5648         \unitlength\p@\thinlines
5649         \put(30,0){\circle{10}}
5650         \put(30,-5){\line(0,1){10}}
5651         \put(35,0){\line(-1,0){30}}
5652         \put(0,30){\circle{10}}
5653         \put(-5,30){\line(1,0){10}}
5654         \put(0,35){\line(0,-1){30}}
5655     \end{picture}%
5656 \fi%
5657 }
5658 \renewcommand*\CROP@llc{%
5659     \if@RTLmain%
5660         \begin{picture}(0,0)
5661             \unitlength\p@\thinlines
5662             \put(-40,0){\circle{10}}
5663             \put(-30,-5){\line(0,1){10}}
5664             \put(-35,0){\line(1,0){30}}
5665             \put(-10,-30){\circle{10}}
5666             \put(-5,-30){\line(1,0){10}}
5667             \put(0,-35){\line(0,1){30}}
5668         \end{picture}%
5669     \else%
5670         \begin{picture}(0,0)
5671             \unitlength\p@\thinlines
5672             \put(-30,0){\circle{10}}
5673             \put(-30,-5){\line(0,1){10}}
5674             \put(-35,0){\line(1,0){30}}
5675             \put(0,-30){\circle{10}}
5676             \put(-5,-30){\line(1,0){10}}
5677             \put(0,-35){\line(0,1){30}}
5678         \end{picture}%
5679     \fi%
5680 }
5681 \renewcommand*\CROP@lrc{%
5682     \if@RTLmain%
5683         \begin{picture}(0,0)
5684             \unitlength\p@\thinlines
5685             \put(20,0){\circle{10}}
5686             \put(30,-5){\line(0,1){10}}
5687             \put(35,0){\line(-1,0){30}}
5688             \put(-10,-30){\circle{10}}
5689             \put(-5,-30){\line(1,0){10}}
5690             \put(0,-35){\line(0,1){30}}
5691         \end{picture}%

```




```

5692 \else%
5693 \begin{picture}(0,0)
5694 \unitlength\p@\thinlines
5695 \put(30,0){\circle{10}}
5696 \put(30,-5){\line(0,1){10}}
5697 \put(35,0){\line(-1,0){30}}
5698 \put(0,-30){\circle{10}}
5699 \put(-5,-30){\line(1,0){10}}
5700 \put(0,-35){\line(0,1){30}}
5701 \end{picture}%
5702 \fi%
5703 }
5704 \@ifpackagewith{crop}{cam}{%
5705 \CROP@execopt{cam}%
5706 }{}

```

7.42 cutwin-xetex-bidi.def

```

5707 \ProvidesFile{cutwin-xetex-bidi.def}[2011/11/12 v0.1 bidi adaptations for cutwin package for XeTeX]
5708 \renewcommand*{\c@twcompctr}[2]{%
5709 \def\c@twfirst{1}
5710 \loop\advance\c@twwinlines\m@ne
5711 \setbox\c@twslicea=\vsplit#1 to\baselineskip
5712 \setbox\c@twsliceb=\vsplit#1 to\baselineskip
5713 \c@twprune{\c@twslicea}{\c@twlftside}%
5714 \c@twprune{\c@twsliceb}{\c@twrtside}%
5715 \ifnum\c@twfirst=\@ne
5716 \setbox#2=\vbox{\unvbox#2\hbox
5717 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}\pageinwindow\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}
5718 \else
5719 \setbox#2=\vbox{\unvbox#2\hbox
5720 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}
5721 \fi
5722 \def\c@twfirst{2}
5723 \ifnum\c@twwinlines>\z@\repeat}
5724 \renewcommand*{\c@twcompodctr}[2]{%
5725 \def\c@twrounds{1}
5726 \def\c@twfirst{1}
5727 \@for\c@twlspec:=\c@twb\do{%
5728 \ifnum\c@twrounds=1
5729 \setbox\c@twslicea=\vsplit#1 to\baselineskip % first of pair
5730 \c@twprune{\c@twslicea}{\c@twlspec}%
5731 \def\c@twrounds{2}
5732 \else
5733 \setbox\c@twsliceb=\vsplit#1 to\baselineskip % second of pair
5734 \c@twprune{\c@twsliceb}{\c@twlspec}%
5735 \ifnum\c@twfirst=1
5736 \setbox#2=\vbox{\unvbox#2\hbox
5737 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi}\hfil\picinwindow\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}
5738 \def\c@twfirst{2}

```



```

5739 \else
5740 \setbox#2=\vbox{\unvbox#2\hbox
5741 to\hsize{\if@RTL\box\c@twsliceb\else\box\c@twslicea\fi\hfil\if@RTL\box\c@twslicea\else\box\c@twsliceb\fi}
5742 \fi
5743 \def\c@twrounds{1}
5744 \fi}}

```

7.43 cuted-xetex-bidi.def

```

5745 \ProvidesFile{cuted-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for cuted package for XeTeX]
5746 \def\RTL@outputdblcol{%
5747 \if@firstcolumn \global\@firstcolumnfalse
5748 \global\setbox\@leftcolumn \box\@outputbox
5749 \else
5750 \global\@firstcolumntrue
5751 \setbox\@outputbox \vbox {\hbox to\textwidth {%
5752 \hskip \columnwidth
5753 \hfil \vrule width\columnseprule \hfil
5754 \hbox to\columnwidth {\box\@leftcolumn \hss}%
5755 \hskip -\textwidth
5756 \hbox to\columnwidth{\box\@outputbox \hss}%
5757 \hskip \columnsep
5758 \hskip \columnwidth }}%
5759 \ifvoid\hold@viper
5760 \else
5761 \setbox\@outputbox \vbox to\textheight{%
5762 \box\hold@viper
5763 \box\@outputbox
5764 \vss
5765 }%
5766 \fi
5767 \@combinedblfloats \@outputpage
5768 \begingroup \@dblfloatplacement \@startdblcolumn
5769 \@whiles\if@fcolmade \fi
5770 {\@outputpage \@startdblcolumn }%
5771 \ifvoid\@viper
5772 \else
5773 \global\setbox\@viper\vbox{%
5774 \vskip-\stripsep
5775 \unvbox\@viper
5776 }%
5777 \@viperoutput
5778 \fi
5779 \endgroup
5780 \fi}
5781 \def\LTR@outputdblcol{%
5782 \if@firstcolumn
5783 \global \@firstcolumnfalse
5784 \global \setbox\@leftcolumn \box\@outputbox
5785 \else

```



```

5786 \global\@firstcolumntrue
5787 \setbox\@outputbox \vbox {%
5788     \hb@xt@\textwidth {%
5789         \hb@xt@\columnwidth {%
5790             \box\@leftcolumn \hss}%
5791         \hfil
5792         \vrule \@width\columnseprule
5793         \hfil
5794         \hb@xt@\columnwidth {%
5795             \box\@outputbox \hss}%
5796         }%
5797     }%
5798 \ifvoid\hold@viper
5799 \else
5800     \setbox\@outputbox \vbox to\textheight{%
5801         \box\hold@viper
5802         \box\@outputbox
5803         \vss
5804     }%
5805 \fi
5806 \@combinedblfloats
5807 \@outputpage
5808 \begingroup
5809     \@dblfloatplacement
5810     \@startdblcolumn
5811     \@whiles\if@fcolmade \fi
5812     {\@outputpage
5813     \@startdblcolumn}%
5814 \ifvoid\@viper
5815 \else
5816     \global\setbox\@viper\vbox{%
5817         \vskip-\stripsep
5818         \unvbox\@viper
5819     }%
5820     \@viperoutput
5821 \fi
5822 \endgroup
5823 \fi
5824 }
5825 \def \@addviper {%
5826     \if@firstcolumn
5827     \@insertfalse
5828     \@reqcolroom .5\@pageht
5829     \ht@viper\@reqcolroom
5830     \advance \@reqcolroom \ht@viper
5831     \advance \@reqcolroom \stripsep
5832     \ifvoid\hold@viper\@tempdima=\z@\else\@tempdima\ht\hold@viper\fi
5833 %%
5834     \@tempdimb \ht@viper
5835     \loop

```



```

5836 \setbox\v@aaa\copy\@holdpg
5837 \setbox\v@ccc\vbox to\@tempdimb{%
5838     \vsplit\v@aaa to\@tempdimb\vss\vsplit\v@aaa to\@tempdimb}%
5839 \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
5840 \ifvoid\v@aaa \else \advance\@tempdimb 1pt \repeat
5841 \loop
5842 \setbox\v@aaa\copy\@holdpg
5843 \setbox\v@ccc\vbox to\@tempdimb{%
5844     \vsplit\v@aaa to\@tempdimb\vss}%
5845 \wlog{(2)Left:\the\ht\v@ccc\space Right:\the\ht\v@aaa\space Output:\the\@tempdimb}%
5846 \ifdim \ht\v@ccc<\ht\v@aaa \@tempdimb \the\ht\v@aaa \repeat
5847 \wlog{- LAST -^^JLeft:\the\ht\v@ccc^^JRight:\the\ht\v@aaa^^JOutput:\the\@tempdimb}%
5848 \setbox\v@ccc\vbox to\@tempdimb{%
5849     \vsplit\@holdpg to\@tempdimb\vss}%
5850 %%
5851 \setbox\@tempboxa \vbox {%
5852     \hb@xt@\textwidth {%
5853         \if@RTLmain%
5854             \hskip \columnwidth
5855             \hfil \vrule width\columnseprule \hfil
5856             \hb@xt@\columnwidth {%
5857                 \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
5858             \hskip -\textwidth
5859             \hb@xt@\columnwidth {%
5860                 \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
5861             \hskip \columnsep
5862             \hskip \columnwidth
5863             \else%
5864                 \hb@xt@\columnwidth {%
5865                     \vbox to\ht@viper{\box\v@ccc\vss} \hss}%
5866                     \hfil
5867                     \vrule \@width\columnseprule
5868                     \hfil
5869                     \hb@xt@\columnwidth {%
5870                         \vbox to\ht@viper{\box\@holdpg\vss} \hss}%
5871                         \fi}%
5872             }%
5873 \ifvoid\hold@viper
5874     \global\setbox\hold@viper \vbox {%
5875         \unvbox\@tempboxa
5876         \penalty\interlinepenalty
5877         \vskip\stripsep
5878         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5879         \outputpenalty \z@
5880     }%
5881 \else
5882     \global\setbox\hold@viper \vbox {%
5883         \unvbox\hold@viper
5884         \unvbox\@tempboxa
5885         \penalty\interlinepenalty

```



```

5886         \vskip\stripsep
5887         \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5888         \outputpenalty \z@
5889         }%
5890     \fi
5891     \ifdim \@colroom>\@reqcolroom
5892         \global\setbox\hold@viper \vbox {%
5893             \unvbox\hold@viper
5894             \box\@viper
5895             \penalty\interlinepenalty
5896             \vskip\stripsep
5897             \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
5898             \outputpenalty \z@
5899             }%
5900     \@inserttrue
5901     \advance\@tempdima by-\ht\hold@viper
5902     \global \advance \@colht \@tempdima
5903     \ifdim \@colht<2.5\baselineskip
5904     \@latex@warning@no@line {Optional argument of \noexpand\twocolumn
5905         too tall on page \thepage (1 stulpelis)}%
5906     \@emptycol
5907     \if@firstcolumn
5908     \else
5909         \@emptycol
5910     \fi
5911     \global\@lastvipertrue
5912 \else
5913     \global \vsize \@colht
5914     \global \@colroom \@colht
5915     \check@floats
5916     \ifdim\@tempdima>\z@
5917         \global\advance\@colroom by-\@tempdima
5918     \fi
5919     \ifdim\@colroom<\z@
5920         \global\@colroom 1pt
5921         \ifdim\@tempdima>\@colht
5922             \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
5923                 netelpla lape \thepage (1 stulpelis)}%
5924         \fi
5925         \@emptycol
5926         \if@firstcolumn
5927         \else
5928             \@emptycol
5929         \fi
5930         \global\@lastvipertrue
5931     \fi
5932 \fi
5933 \fi
5934 \else
5935     \@insertfalse

```



```

5936 \@reqcolroom\@colht
5937 \advance\@reqcolroom \@pageht
5938 \ht@viper.5\@reqcolroom
5939 \@reqcolroom\ht@viper
5940 \advance \@reqcolroom \ht\@viper
5941 \advance \@reqcolroom \stripsep
5942 \if@flushend@auto@baselineskip
5943 \setbox\@tempboxa\vbox{\unvcopy\@leftcolumn
5944 \global\lastskip@d\lastskip
5945 \global\lastskip@b\lastskip
5946 \loop
5947 \global\lastskip@a\lastskip@b
5948 \unskip\unpenalty
5949 \global\lastskip@b\lastskip
5950 \global\advance\lastskip@d by\lastskip
5951 \ifdim\lastskip@b=-\lastskip@a
5952 \global\advance\lastskip@d by-\lastskip
5953 \else
5954 \repeat
5955 \ifdim\lastskip@b=-\lastskip@a
5956 \ifdim\lastskip@b=\z@
5957 \setbox\lastbox@a\lastbox
5958 \global\advance\lastskip@d by\ht\lastbox@a
5959 \global\advance\lastskip@d by\lastskip
5960 \unskip\unpenalty
5961 \setbox\lastbox@a\lastbox
5962 \global\advance\lastskip@d by\dp\lastbox@a
5963 \else
5964 \global\lastskip@d\lastskip
5965 \global\advance\lastskip@d by\topskip
5966 \fi
5967 \fi
5968 \global\advance\lastskip@d by-\topskip
5969 }%
5970 \ifdim\ht\@holdpg>\@colht
5971 \global\setbox\@holdpg\vbox{\unvbox\@leftcolumn\unskip\unpenalty
5972 \par\eject
5973 \vbox to \@colht{\unvbox\@holdpg\unskip}%
5974 }%
5975 \else
5976 \global\setbox\@holdpg\vbox{%
5977 \unvbox\@leftcolumn\unskip\unpenalty
5978 \vskip\lastskip@d
5979 \the\At@ViperColsBreak
5980 \unvbox\@holdpg
5981 \unskip
5982 }%
5983 \fi
5984 \else
5985 \global\setbox\@holdpg\vbox{%

```



```

5986          \unvbox\@leftcolumn
5987          \setbox\@tempboxa\lastbox
5988          \on@stripcols@break
5989          \the\At@ViperColsBreak
5990          \unvbox\@holdpg
5991      }%
5992  \fi
5993  \global\At@ViperColsBreak{}%
5994  \ht@viper .5\ht\@holdpg
5995  \ifdim \ht@viper>\@colht
5996      \ht@viper \@colht
5997  \fi
5998  \ifvoid\hold@viper\@tempdima=\z@ \else\@tempdima\ht\hold@viper\fi
5999  %%
6000  \@tempdimb \ht@viper
6001  \loop
6002      \setbox\v@aaa\copy\@holdpg
6003      \setbox\v@ccc\vbox to\@tempdimb{%
6004          \vsplit\v@aaa to\@tempdimb
6005          \vss
6006          \vsplit\v@aaa to\@tempdimb
6007      }%
6008      \wlog{Extra height:\the\ht\v@aaa\space when \the\@tempdimb}%
6009  \ifvoid\v@aaa
6010  \else
6011      \advance\@tempdimb 1\p@
6012  \repeat
6013  \loop
6014      \setbox\v@aaa\copy\@holdpg
6015      \setbox\v@ccc\vbox to\@tempdimb{\vsplit\v@aaa to\@tempdimb\vss}%
6016      \wlog{(2)Left:\the\ht\v@ccc\space
6017          Right:\the\ht\v@aaa\space
6018          Output:\the\@tempdimb
6019      }%
6020  \ifdim\ht\v@ccc<\ht\v@aaa
6021      \@tempdimb \the\ht\v@aaa
6022  \repeat
6023  \wlog{- LAST -^^JLeft:\the\ht\v@ccc
6024          ^^JRight:\the\ht\v@aaa
6025          ^^JOutput:\the\@tempdimb
6026      }%
6027  \setbox\v@ccc\vbox to\@tempdimb{\vsplit\@holdpg to\@tempdimb\vss}%
6028  \setbox\@tempboxa\vbox{%
6029      \hb@xt@\textwidth {%
6030          \hb@xt@\columnwidth{\vbox to\ht@viper{\box\v@ccc\vss} \hss}%
6031          \hfil
6032          \vrule \@width\columnseprule
6033          \hfil
6034          \hb@xt@\columnwidth {\vbox to\ht@viper{\box\@holdpg\vss} \hss}%
6035      }%

```



```

6036     }%
6037 \ifvoid\hold@viper
6038   \global\setbox\hold@viper \vbox {%
6039     \unvbox\@tempboxa
6040     \penalty\interlinepenalty
6041     \vskip\stripsep
6042     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6043     \outputpenalty \z@
6044     }%
6045 \else
6046   \global\setbox\hold@viper \vbox {%
6047     \unvbox\hold@viper
6048     \unvbox\@tempboxa
6049     \penalty\interlinepenalty
6050     \vskip\stripsep
6051     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6052     \outputpenalty \z@
6053     }%
6054 \fi
6055 \ifdim \@colht>\@reqcolroom
6056   \global\setbox\hold@viper \vbox {%
6057     \unvbox\hold@viper
6058     \box\@viper
6059     \penalty\interlinepenalty
6060     \vskip\stripsep
6061     \ifnum\outputpenalty <-\@Mii \vskip -\parskip\fi
6062     \outputpenalty \z@
6063     }%
6064 \inserttrue
6065 \global\@firstcolumntrue
6066 \advance\@tempdima by-\ht\hold@viper
6067 \global \advance \@colht \@tempdima
6068 \ifdim \@colht<2.5\baselineskip
6069 \latex@warning@no@line {Optional argument of \noexpand\twocolumn
6070                           too tall on page \thepage (2 stulpelis)}%
6071   \emptycol
6072   \if@firstcolumn
6073   \else
6074     \emptycol
6075   \fi
6076   \global\@lastvipertrue
6077 \else
6078   \global \vsize \@colht
6079   \global \@colroom \@colht
6080   \check@floats
6081   \ifdim\@tempdima>\z@
6082     \global\advance\@colroom by-\@tempdima
6083   \fi
6084   \ifdim\@colroom<\z@
6085     \global\@colroom 1pt

```




```

6086          \ifdim\@tempdima>\@colht
6087          \@latex@warning@no@line {TOP ir/ar BOT FLOAT's
6088                                netelpe lape \thepage (2 stulpelis)}}%
6089          \fi
6090          \@emptycol
6091          \if@firstcolumn
6092          \else
6093            \@emptycol
6094          \fi
6095          \global\@lastvipertrue
6096        \fi
6097      \fi
6098    \fi
6099  \fi
6100  \if@insert
6101  \else
6102    \advance\@tempdima by-\ht\hold@viper
6103    \global \advance \@colht \@tempdima
6104    \global\setbox\hold@viper \vbox {%
6105                                \unvbox\hold@viper
6106                                \csname viper@top@hook\endcsname
6107                                \vsplit\@viper to \@colht
6108                                \vss
6109                                }%
6110    \vbox{}}%
6111    \global\@firstcolumnfalse
6112    \newpage
6113  \fi
6114 }

```

7.44 cvthemebidicasual.sty

```

6115 \NeedsTeXFormat{LaTeX2e}
6116 \ProvidesPackage{cvthemebidicasual}
6117 \DeclareOption{blue}{}
6118 \newif\if@colourorange\@colourorangefalse
6119 \DeclareOption{orange}{\@colourorangetrue}
6120 \newif\if@colourgreen\@colourgreenfalse
6121 \DeclareOption{green}{\@colourgreentrue}
6122 \newif\if@colourred\@colourreddfalse
6123 \DeclareOption{red}{\@colourreddtrue}
6124 \newif\if@colourgrey\@colourgreycastle
6125 \DeclareOption{grey}{\@colourgreytrue}
6126 \DeclareOption*{
6127   \PackageWarning{cvthemebidicasual}{Unknown option '\CurrentOption'}}
6128 \ExecuteOptions{colour}
6129 \ProcessOptions\relax
6130 \renewcommand*\@listitemsymbol{\textbullet}
6131 \definecolor{firstnamecolor}{rgb}{0.65,0.65,0.65}
6132 \familynamecolour{808080}

```



```

6133 \firstnamecolour{A9A9A9}
6134 \quotecolour{696969}
6135 \addresscolour{696969}
6136 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.50,0.75}
6137 \sectiontitlecolour{1E90FF}
6138 \subsectioncolour{4682B4}
6139 \definecolor{rulecolour}{gray}{0.6}
6140 \definecolor{footersymbolcolour}{rgb}{0.25,0.50,0.75}
6141 \definecolor{footersymbolcolor}{rgb}{0.25,0.50,0.75}
6142 \if@colouorange
6143   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6144   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.65,0.20}
6145   \sectiontitlecolour{FF8C00}
6146   \subsectioncolour{FF8C00}
6147   \definecolor{footersymbolcolour}{rgb}{0.95,0.55,0.15}
6148   \definecolor{footersymbolcolor}{rgb}{0.95,0.55,0.15}\fi
6149 \if@colourgreen
6150   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6151   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6152   \sectiontitlecolour{008000}
6153   \subsectioncolour{008000}
6154   \definecolor{footersymbolcolour}{rgb}{0.30,0.65,0.15}
6155   \definecolor{footersymbolcolor}{rgb}{0.30,0.65,0.15}\fi
6156 \if@coloured
6157   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6158   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6159   \sectiontitlecolour{FF0000}
6160   \subsectioncolour{FF0000}
6161   \definecolor{footersymbolcolour}{rgb}{0.95,0.20,0.20}
6162   \definecolor{footersymbolcolor}{rgb}{0.95,0.20,0.20}\fi
6163 \if@colourgrey
6164   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6165   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6166   \sectiontitlecolour{808080}
6167   \subsectioncolour{808080}
6168   \definecolor{footersymbolcolour}{rgb}{0.35,0.35,0.35}
6169   \definecolor{footersymbolcolor}{rgb}{0.35,0.35,0.35}\fi
6170 \renewcommand*{\ttdefault}{pcr}
6171 \renewcommand*{\firstnamefont}{\fontsize{38}{40}\mdseries\upshape}
6172 \renewcommand*{\familynamefont}{\firstnamefont}
6173 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6174 \renewcommand*{\quotefont}{\large\slshape}
6175 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6176 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6177 \renewcommand*{\maketitle}{%
6178   {%
6179     \ifthenelse{\isundefined{\@photo}}{%
6180       {}%
6181       {\color{firstnamecolor}\framebox{\includegraphics[width=\@photowidth]{\@photo}}}}%
6182     \hfill%

```



```

6183 \bidi@raggedleft{\firstnamestyle{\@firstname}~\familynamestyle{\@familyname}}\[-.35em]]%
6184 {\color{firstnamecolor}\rule{\textwidth}{.25ex}\[2.5em]]%
6185 \ifthenelse{\isundefined{\@quote}}{%
6186   }%
6187   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\[2.
6188   }%
6189 \newif\if@firstfooterelement\@firstfooterelementtrue
6190 \providecommand*{\footersymbol}{\textbullet}
6191 \renewcommand*{\footersymbol}{\textbullet}
6192 \if@firstfooterelement%
6193 \else%
6194   {~~\color{footersymbolcolor}\textbullet~~}\fi}
6195 \providecommand*{\makefooter}{\textbullet}
6196 \renewcommand*{\makefooter}{\textbullet}
6197 \fancypagestyle{plain}{%
6198   \fancyfoot[c]{%
6199     \parbox{0.8\textwidth}{%
6200       \centering%
6201       \addressfont\@addresscolour%
6202       \ifthenelse{\isundefined{\@address}}{\textbullet}{%
6203         \addresssymbol~\@address\%
6204         \@firstfooterelementfalse}%
6205       \ifthenelse{\isundefined{\@mobile}}{\textbullet}{\mobilesymbol~\@mobile\@firstfooterelementfalse}%
6206       \ifthenelse{\isundefined{\@phone}}{\textbullet}{\footersymbol\phonesymbol~\@phone\@firstfooterelementfalse}%
6207       \ifthenelse{\isundefined{\@fax}}{\textbullet}{\footersymbol\faxsymbol~\@fax\@firstfooterelementfalse}%
6208       \ifthenelse{\isundefined{\@email}}{\textbullet}{\footersymbol\emailsymbol~\email\@firstfooterelementfalse}%
6209       \ifthenelse{\isundefined{\@extrainfo}}{\textbullet}{\footersymbol\@extrainfo\@firstfooterelementfalse}%
6210     }%
6211     \pagestyle{plain}}
6212 \AtBeginDocument{\makefooter}

```

7.45 cvthemebidiclassic.sty

```

6213 \NeedsTeXFormat{LaTeX2e}
6214 \ProvidesPackage{cvthemebidiclassic}
6215 \DeclareOption{blue}{\textbullet}
6216 \newif\if@colourorange\@colourorangefalse
6217 \DeclareOption{orange}{\@colourorange true}
6218 \newif\if@colourgreen\@colourgreenfalse
6219 \DeclareOption{green}{\@colourgreent true}
6220 \newif\if@colourred\@colourredfalse
6221 \DeclareOption{red}{\@colourred true}
6222 \newif\if@colourgrey\@colourgreyfalse
6223 \DeclareOption{grey}{\@colourgrey true}
6224 \DeclareOption*{\textbullet}
6225 \PackageWarning{cvthemebidiclassic}{Unknown option ‘\CurrentOption’}
6226 \ExecuteOptions{colour}
6227 \ProcessOptions\relax
6228 \renewcommand*{\listitemsymbol}{\textbullet}
6229 \firstnamecolour{\textbullet}

```



```

6230 \familynamecolour{}
6231 \titlecolour{808080}
6232 \quotecolour{696969}
6233 \addresscolour{696969}
6234 \definecolor{sectionrectanglecolour}{rgb}{0.25,0.50,0.75}
6235 \definecolor{sectionrectanglecolor}{rgb}{0.25,0.5,0.75}
6236 \sectiontitlecolour{1E90FF}
6237 \subsectioncolour{4682B4}
6238 \if@colourorange
6239   \addresscolour{FF8C00}
6240   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.65,0.20}
6241   \definecolor{sectionrectanglecolor}{rgb}{1,0.65,0.20}
6242   \sectiontitlecolour{FF8C00}
6243   \subsectioncolour{FF8C00}\fi
6244 \if@colourgreen
6245   \addresscolour{008000}
6246   \definecolor{sectionrectanglecolour}{rgb}{0.55,0.85,0.35}
6247   \definecolor{sectionrectanglecolor}{rgb}{0.55,0.85,0.35}
6248   \sectiontitlecolour{008000}
6249   \subsectioncolour{008000}\fi
6250 \if@colourred
6251   \addresscolour{FF0000}
6252   \definecolor{sectionrectanglecolour}{rgb}{1.00,0.30,0.30}
6253   \definecolor{sectionrectanglecolor}{rgb}{1.00,0.30,0.30}
6254   \sectiontitlecolour{FF0000}
6255   \subsectioncolour{FF0000}\fi
6256 \if@colourgrey
6257   \addresscolour{808080}
6258   \definecolor{sectionrectanglecolour}{rgb}{0.75,0.75,0.75}
6259   \definecolor{sectionrectanglecolor}{rgb}{0.75,0.75,0.75}
6260   \sectiontitlecolour{808080}
6261   \subsectioncolour{808080}\fi
6262 \renewcommand*{\ttdefault}{pcr}
6263 \renewcommand*{\firstnamefont}{\fontsize{34}{36}\mdseries\upshape}
6264 \renewcommand*{\titlefont}{\LARGE\mdseries\slshape}
6265 \renewcommand*{\addressfont}{\normalsize\mdseries\slshape}
6266 \renewcommand*{\familynamefont}{\firstnamefont}
6267 \renewcommand*{\quoteftfont}{\large\slshape}
6268 \renewcommand*{\sectionfont}{\Large\mdseries\upshape}
6269 \renewcommand*{\subsectionfont}{\large\mdseries\upshape}
6270 \newlength{\maketitlenamemaxwidth}
6271 \setlength{\maketitlenamemaxwidth}{.525\textwidth}
6272 \newlength{\maketitlenamefullwidth}
6273 \settowidth{\maketitlenamefullwidth}{\firstnamestyle{\@firstname~}\familynamestyle{\@familyname}}
6274 \newlength{\maketitlenamewidth}
6275 \ifnum\maketitlenamemaxwidth<\maketitlenamefullwidth\setlength{\maketitlenamewidth}{\maketitlenamefullwidth}
6276 \newlength{\maketitlepicturewidth}
6277 \setlength{\maketitlepicturewidth}{\@photowidth}
6278 \newlength{\maketitledetailwidth}
6279 \renewcommand*{\recomputethemelengths}{%

```



```

6280 \setlength{\maketitledetailswidth}{\textwidth}%
6281 \addtolength{\maketitledetailswidth}{-\maketitlenamewidth}%
6282 \addtolength{\maketitledetailswidth}{-\separatorcolumnwidth}%
6283 \addtolength{\maketitledetailswidth}{-\maketitlepicturewidth}%
6284 \recomputethemelengths
6285 \newif\if@firstdetailselement\@firstdetailselementtrue
6286 \newcommand*{\maketitledetailsnewline}{
6287   \if@firstdetailselement%
6288     \@firstdetailselementfalse%
6289   \else%
6290     \[.2em]\fi}
6291 \renewcommand*{\maketitle}{%
6292   % name and title
6293   \begin{minipage}[b]{\maketitlenamewidth}%
6294     \firstnamestyle{\@firstname~}\familynamestyle{\@familyname}%
6295     \ifthenelse{\equal{\@title}{}}{\}[1.25em]\titlestyle{\@title}}%
6296   \end{minipage}%
6297   % optional data
6298   \begin{minipage}[b]{\maketitledetailswidth}%
6299     \bidi@raggedleft\addressfont\@addresscolour%
6300     \ifthenelse{\isundefined{\@address}}{\}%
6301     \maketitledetailsnewline%
6302     \addresssymbol~\@address}%
6303     \ifthenelse{\isundefined{\@mobile}}{\}\maketitledetailsnewline\mobilesymbol~\@mobile}%
6304     \ifthenelse{\isundefined{\@phone}}{\}\maketitledetailsnewline\phonesymbol~\@phone}%
6305     \ifthenelse{\isundefined{\@fax}}{\}\maketitledetailsnewline\faxsymbol~\@fax}%
6306     \ifthenelse{\isundefined{\@email}}{\}\maketitledetailsnewline\emailsymbol~\emailink{\@email}}%
6307     \ifthenelse{\isundefined{\@extrainfo}}{\}\maketitledetailsnewline\@extrainfo}%
6308   \end{minipage}%
6309   % optional photo
6310   \ifthenelse{\isundefined{\@photo}}{\}%
6311   {\hspace*{\separatorcolumnwidth}\color{firstnamecolor}\framebox{\includegraphics[width=\maketitlephoto]{\@photo}}}%
6312   % optional quote
6313   \ifthenelse{\isundefined{\@quote}}{\}%
6314   {\}%
6315   {\centering{\begin{minipage}{\quotewidth}\centering\quotestyle{\@quote}\end{minipage}}\}[2.5em]}
6316 }
6317 }

```

7.46 dblfnote-xetex-bidi.def

```

6318 \ProvidesFile{dblfnote-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for dblfnote package for xetex]
6319 \let\autofootnoterule\relax
6320 \let\rightfootnoterule\relax
6321 \let\leftfootnoterule\relax
6322 \let\textwidthfootnoterule\relax
6323 \let\LRfootnoterule\relax
6324 \def\footnoterule{\kern-3\p@
6325   \hrule \@width \DFNcolumnwidth \kern 2.6\p@}%
6326 \AtBeginDocument{\let\dfn@latex@footnotetext\@footnotetext}

```



```

6327 \let\@footnotetext\dfn@footnotetext}
6328 \long\def\dfn@LTRfootnotetext#1{\setbox\dfn@boxa\vbox{
6329     \let\insert\dfn@gobble
6330     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
6331     \def\@makefnmark{\smash{\dfn@makefnmark}}
6332     \dfn@latex@LTRfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
6333     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
6334     \ifdim\dfn@dima>\z@\else
6335         \dfn@dima1sp\relax
6336     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
6337     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
6338         \ifvoid\dfn@ins\else
6339             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
6340             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
6341     \setbox\dfn@boxa\copy\dfn@ins
6342     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6343     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
6344     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
6345     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
6346     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
6347 \AtBeginDocument{\let\dfn@latex@LTRfootnotetext\@LTRfootnotetext
6348 \let\@LTRfootnotetext\dfn@LTRfootnotetext}
6349 \long\def\dfn@RTLfootnotetext#1{\setbox\dfn@boxa\vbox{
6350     \let\insert\dfn@gobble
6351     \columnwidth\DFNcolumnwidth \hbadness\c@DFNsloppiness
6352     \def\@makefnmark{\smash{\dfn@makefnmark}}
6353     \dfn@latex@RTLfootnotetext{#1}\par \boxmaxdepth\dfn@fnmaxdp}%
6354     \dfn@dima\ht\dfn@boxa \advance\dfn@dima\dp\dfn@boxa
6355     \ifdim\dfn@dima>\z@\else
6356         \dfn@dima1sp\relax
6357     \setbox\dfn@boxa\vbox{\vbox to1sp{\unvbox\dfn@boxa\vfil}}\fi
6358     \global\setbox\dfn@ins\vbox{\boxmaxdepth\dfn@fnmaxdp
6359         \ifvoid\dfn@ins\else
6360             \unvbox\dfn@ins \allowbreak \nointerlineskip \fi
6361             \ifdfn@allowcbreak \unvbox \else \box \fi \dfn@boxa}%
6362     \setbox\dfn@boxa\copy\dfn@ins
6363     \dfn@split{.5\ht\dfn@boxa}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6364     \advance\@tempdima\@tempdimb \@tempdimb\@tempdima
6365     \advance\@tempdima-\dfn@fnht \global\dfn@fnht\@tempdimb
6366     \insert\footins{\floatingpenalty\@MM \vbox to\@tempdima{}}%
6367     \xdef\dfn@list{\dfn@list\@elt{\number\dfn@dima}{\number\@tempdima}}}}
6368 \AtBeginDocument{\let\dfn@latex@RTLfootnotetext\@RTLfootnotetext
6369 \let\@RTLfootnotetext\dfn@RTLfootnotetext}
6370 \def\dfn@RTLmakecol{\ifvoid\footins\else
6371     \dfn@dima\ht\footins
6372     \@tempcnta\z@ \dfn@countins
6373     \@tempdima\z@ \let\@elt\dfn@elt@getht
6374     \dfn@list\@nil
6375     \ifdim\@tempdima=\z@\else
6376     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@

```



```

6377 \global\setbox\dfn@ins\box\dfn@ins
6378 \@tempswatrue
6379 \ifdfn@trysingle
6380 \setbox\dfn@boxb\ vbox{\unvcopy\@cclv}\@tempdima\@colroom
6381 \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
6382 \advance\@tempdima-\skip\footins
6383 \advance\@tempdima-\ht\dfn@boxa
6384 \ifdim\@tempdima<\z@\else \@tempswafalse
6385 \global\setbox\footins\ vbox{\boxmaxdepth\dfn@fnmaxdp
6386 \footnoterule \unvbox\dfn@boxa}\fi\fi
6387 \if@tempswa
6388 \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6389 \global\setbox\footins\ vbox{\hbox{%
6390 \hskip \DFNcolumnwidth
6391 \hskip\DFNcolumnsep
6392 \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
6393 \unvbox\dfn@boxb\vss}\hss}
6394 \hskip -\textwidth
6395 \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
6396 \vbox to\@tempdima{
6397 \setbox\@tempboxa\vbox{\footnoterule}
6398 \ifdfn@ruleboth \unvbox\@tempboxa
6399 \else \@tempdima\ht\@tempboxa
6400 \advance\@tempdima\dp\@tempboxa
6401 \vskip\@tempdima
6402 \prevdepth\dp\@tempboxa \fi
6403 \unvbox\dfn@boxa\vss}\fi\hss}
6404 \hskip \DFNcolumnsep
6405 \hskip \DFNcolumnwidth}}\fi\fi
6406 \global\dfn@fnht\z@
6407 \ifx\dfn@list\@empty\else
6408 \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
6409 \dfn@list \global\advance\dfn@fnht\dfn@dimb
6410 \let\@elt\relax
6411 \ifdim\dfn@dimb>\z@
6412 \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
6413 \insert\footins{\floatingpenalty\@MM
6414 \vbox to\dfn@dimb{}}\fi
6415 \ifdim\dfn@fnht>\@tempdima
6416 \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
6417 \global\dfn@fnht\@tempdima
6418 \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
6419 \xdef\dfn@afteroutput{\insert\footins{
6420 \floatingpenalty\@MM
6421 \vbox to\number\@tempdimb sp{}}}%
6422 \global\let\noexpand\dfn@afteroutput\relax}%
6423 \fi\fi
6424 \fi}%
6425 \let\footnoterule\relax \dfn@latex@makecol
6426 \let\footnoterule\dfn@footnoterule}

```



```

6427 \def\dfn@LTRmakecol{\ifvoid\footins\else
6428     \dfn@dima\ht\footins
6429     \@tempcnta\z@ \dfn@countins
6430     \@tempdima\z@ \let\@elt\dfn@elt@getht
6431     \dfn@list\@nil
6432     \ifdim\@tempdima=\z@\else
6433     \dfn@split\@tempdima\dfn@ins\dfn@boxa\z@\z@
6434     \global\setbox\dfn@ins\box\dfn@ins
6435     \@tempswatrue
6436     \ifdfn@trysingle
6437         \setbox\dfn@boxb\vbox{\unvcopy\@cclv}\@tempdima\@colroom
6438         \advance\@tempdima-\ht\dfn@boxb \advance\@tempdima-\dp\dfn@boxb
6439         \advance\@tempdima-\skip\footins
6440         \advance\@tempdima-\ht\dfn@boxa
6441         \ifdim\@tempdima<\z@\else \@tempswafalse
6442             \global\setbox\footins\vbox{\boxmaxdepth\dfn@fnmaxdp
6443                 \footnoterule \unvbox\dfn@boxa}\fi\fi
6444     \if@tempswa
6445     \dfn@split{\dfn@dima}\dfn@boxa\dfn@boxb\dfn@fnmaxdp\footnotesep
6446     \global\setbox\footins\vbox{\hbox{%
6447         \hbox to\DFNcolumnwidth{\vbox to\@tempdima{\footnoterule
6448             \unvbox\dfn@boxb\vss}\hss}\hskip\DFNcolumnsep
6449         \hbox to\DFNcolumnwidth{\ifvoid\dfn@boxa\else
6450             \vbox to\@tempdima{
6451                 \setbox\@tempboxa\vbox{\footnoterule}
6452                 \ifdfn@ruleboth \unvbox\@tempboxa
6453                 \else \@tempdima\ht\@tempboxa
6454                     \advance\@tempdima\dp\@tempboxa
6455                     \vskip\@tempdima
6456                     \prevdepth\dp\@tempboxa \fi
6457                 \unvbox\dfn@boxa\vss}\fi\hss}}}\fi\fi
6458     \global\dfn@fnht\z@
6459     \ifx\dfn@list\@empty\else
6460         \let\@elt\dfn@elt@adjust \dfn@dima\z@ \dfn@dimb\z@
6461         \dfn@list \global\advance\dfn@fnht\dfn@dimb
6462         \let\@elt\relax
6463         \ifdim\dfn@dimb>\z@
6464             \xdef\dfn@list{\@elt{0}{\number\dfn@dimb}\dfn@list}%
6465             \insert\footins{\floatingpenalty\@MM
6466                 \vbox to\dfn@dimb{}}\fi
6467         \ifdim\dfn@fnht>\@tempdima
6468             \@tempdimb\@tempdima \advance\@tempdimb-\dfn@fnht
6469             \global\dfn@fnht\@tempdima
6470             \xdef\dfn@list{\dfn@list\@elt{0}{\number\@tempdimb}}%
6471             \xdef\dfn@afteroutput{\insert\footins{
6472                 \floatingpenalty\@MM
6473                 \vbox to\number\@tempdimb sp{}}}%
6474             \global\let\noexpand\dfn@afteroutput\relax}%
6475     \fi\fi
6476 \fi}%

```




```

6477 \let\footnoterule\relax \dfn@latex@makecol
6478 \let\footnoterule\dfn@footnoterule}
6479 \renewcommand{\dfn@makecol}{\if@RTLmain\dfn@RTLmakecol\else\dfn@LTRmakecol\fi}
6480 \newcommand{\RTLdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@RTLmakecol}}
6481 \newcommand{\LTRdfnmakecol}{\renewcommand{\dfn@makecol}{\dfn@LTRmakecol}}
6482 \DFNalwaysdouble

```

7.47 draftwatermark-xetex-bidi.def

```

6483 \ProvidesFile{draftwatermark-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for draftwatermark]
6484 \renewcommand\SetWatermarkText[1]{%
6485 \def\sc@wm@text{\if@RTLmain\beginR\fi#1\if@RTLmain\endR\fi}}

```

7.48 eso-pic-xetex-bidi.def

```

6486 \ProvidesFile{eso-pic-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for eso-pic package for XeLaTeX]
6487 \renewcommand\AtPageLowerLeft[1]{\AtPageUpperLeft{%
6488 \put(\LenToUnit{\if@RTLmain\paperwidth\else0pt\fi},\LenToUnit{-\paperheight}){#1}}}
6489
6490 \ESO@isMEMOIR{%
6491 \renewcommand\AtTextUpperLeft[1]{%
6492 \begingroup
6493 \ifodd\c@page
6494 \@tempdima=\spinemargin
6495 \else
6496 \@tempdima=\paperwidth
6497 \advance\@tempdima-\textwidth
6498 \advance\@tempdima-\spinemargin
6499 \fi
6500 \@tempdimb=-\uppermargin
6501 \AtPageUpperLeft{%
6502 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
6503 }%
6504 \endgroup
6505 }
6506 }{%
6507 \renewcommand\AtTextUpperLeft[1]{%
6508 \begingroup
6509 \@tempdima=1in\relax
6510 \ifodd\c@page
6511 \advance\@tempdima\oddsidemargin
6512 \else
6513 \advance\@tempdima\evensidemargin
6514 \fi
6515 \@tempdimb=-1in\relax
6516 \advance\@tempdimb-\topmargin
6517 \advance\@tempdimb-\headheight
6518 \advance\@tempdimb-\headsep
6519 \AtPageUpperLeft{%
6520 \put(\LenToUnit{\if@RTLmain-\fi\@tempdima},\LenToUnit{\@tempdimb}){#1}%
6521 }%

```



```

6522 \endgroup
6523 }
6524 }

```

7.49 empheq-xetex-bidi.def

```

6525 \ProvidesFile{empheq-xetex-bidi.def}[2011/09/07 v0.1 bidi adaptations for empheq package for XeTeX]
6526 \MHInternalSyntaxOn
6527 \def\EQ_tag_plus_endmark:{%
6528 \iftagsleft@
6529 \gdef\maketag@@@##1{%
6530 \hfuzz\displaywidth
6531 \if@RTL\makebox[\widthof{##1}][r]{%
6532 \hbox to \displaywidth{\m@th\normalfont##1\hss
6533 \raisebox{-\dp\EQ_mathdisplay_box
6534 -\depthof{\EQ_outerbox:}}{
6535 {\PotEndMark{\hss}}}}
6536 \else\makebox[\widthof{##1}][l]{%
6537 \hbox to \displaywidth{\m@th\normalfont##1\hss
6538 \raisebox{-\dp\EQ_mathdisplay_box
6539 -\depthof{\EQ_outerbox:}}{
6540 {\PotEndMark{\hss}}}}\fi}%
6541 \else:
6542 \gdef\maketag@@@##1{%
6543 \hbox{\m@th\normalfont##1\llap{\hss\PotEndMark{%
6544 \settoheight{\@tempdima}{\@nameuse{\InTheoType Symbol}}}%
6545 \MH_addtolength:dn \@tempdima
6546 {\g_EQ_bottomtag_depth_dim+\mintagvsep}
6547 \setlength{\@tempdimb}
6548 {\g_EQ_bottomrow_depth_dim+\depthof{\EQ_outerbox:}}
6549 +\depthof{\EQ_innerbox:}}}}
6550 \if_dim:w \@tempdima>\@tempdimb
6551 \MH_setlength:dn \@tempdima{-\dp\EQ_mathdisplay_box
6552 -\@tempdima+\g_EQ_bottomrow_depth_dim}
6553 \addtolength{\@tempdima}{\depthof{\EQ_innerbox:}}}%
6554 \def\EQ_next:{\raisebox{\@tempdima}}%
6555 \else:
6556 \def\EQ_next:{
6557 \raisebox{-\dp\EQ_mathdisplay_box
6558 -\depthof{\EQ_outerbox:}}}%
6559 \fi:\EQ_next:}}}%
6560 \fi:}
6561 \def\EQ_post_process:{%
6562 \EQ_initialize:
6563 \EQ_begin_equation:
6564 \MH_if_boolean:nT {outer_mult}{
6565 \setkeys{MT_options_name:}{
6566 firstline-afterskip=0pt,
6567 lastline-preskip=0pt,
6568 multlined-width=0pt,

```



```

6569 }
6570 \ifodd \l_EQ_alignmentmode_int
6571 \setkeys{\MT_options_name:}{multlined-pos=b}
6572 \else:
6573 \setkeys{\MT_options_name:}{multlined-pos=t}
6574 \fi:
6575 \g@addto@macro\EQ_complete_mathdisplay:{
6576 \begin{MTmultlined}\relax}
6577 }
6578 \g@addto@macro\EQ_complete_mathdisplay:\EQ_mathbody:
6579 \MH_if_boolean:nT {outer_mult}{
6580 \g@addto@macro\EQ_complete_mathdisplay:{\end{MTmultlined}}
6581 }
6582 \EQ_end_equation:
6583 \edef\EQ_hyperref_link_fint{\number\Hy@linkcounter}
6584 \savecounters@
6585 \EQ_typeset_tags:
6586 \edef\l_EQ_equation_fint{\number\c@equation}
6587 \restorecounters@
6588 \Hy@linkcounter=\EQ_hyperref_link_fint
6589 \settowidth\l_EQ_totalwidth_dim{%
6590 $\EQ_left_side:\EQ_innerbox:{}\EQ_right_side:$}%
6591 \MH_if_boolean:nTF {outer_mult}
6592 { \def\EQ_next:{_mult} }
6593 { \def\EQ_next:{} }
6594 \@nameuse{EQ_modify_linewidth_
6595 \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
6596 \EQ_typeset_display:
6597 \@nameuse{find_displaywidth_
6598 \romannumeral\l_EQ_equationtype_int\EQ_next: :}%
6599 \MH_addtolength:dn
6600 \l_EQ_totalwidth_dim{\l_EQ_displaywidth_dim}
6601 \savebox\EQ_mathdisplay_box[\l_EQ_totalwidth_dim][c]{%
6602 $\EQ_left_side:
6603 \EQ_innerbox:{%
6604 \if_case:w \l_EQ_alignmentmode_int\or:
6605 \makebox[\l_EQ_displaywidth_dim][c]
6606 {\usebox{\EQ_mathdisplay_box}}}%
6607 \or:
6608 \makebox[\l_EQ_displaywidth_dim][c]
6609 {\usebox{\EQ_mathdisplay_box}}}%
6610 \or:
6611 \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
6612 \if_num:w \l_EQ_equationtype_int=5 \else:
6613 \if_num:w \l_EQ_equationtype_int=6 \else:
6614 \kern-\@mathmargin
6615 \fi:
6616 \fi:
6617 \usebox{\EQ_mathdisplay_box}}}%
6618 \else\makebox[\l_EQ_displaywidth_dim][l]{%

```



```

6619         \if_num:w \l_EQ_equationtype_int=5 \else:
6620         \if_num:w \l_EQ_equationtype_int=6 \else:
6621         \kern-\@mathmargin
6622         \fi:
6623         \fi:
6624         \usebox{\EQ_mathdisplay_box}}\fi%
6625     \or:
6626         \if@RTL\makebox[\l_EQ_displaywidth_dim][r]{%
6627         \if_num:w \l_EQ_equationtype_int=5 \else:
6628         \if_num:w \l_EQ_equationtype_int=6 \else:
6629         \kern-\@mathmargin
6630         \fi:
6631         \fi:
6632         \usebox{\EQ_mathdisplay_box}}
6633     \else\makebox[\l_EQ_displaywidth_dim][l]{%
6634     \if_num:w \l_EQ_equationtype_int=5 \else:
6635     \if_num:w \l_EQ_equationtype_int=6 \else:
6636     \kern-\@mathmargin
6637     \fi:
6638     \fi:
6639     \usebox{\EQ_mathdisplay_box}}\fi%
6640     \fi:}%
6641     \EQ_right_side:$}%
6642 \begin{AmSequation*}
6643 \@nameuse{EQ_place_display_
6644     \romannumeral\l_EQ_equationtype_int\EQ_next: :}
6645 \if_dim:w \g_EQ_widesttag_dim>\z@
6646 \MH_set_boolean_T:n {show_manual_tags}
6647 \if_case:w \l_EQ_alignmentmode_int
6648 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#1
6649 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#2
6650 \or: \if@RTL\EQ_place_tag:N l\else\EQ_place_tag:N r\fi %#3
6651 \or: \if@RTL\EQ_place_tag:N r\else\EQ_place_tag:N l\fi %#4
6652 \fi:
6653 \fi:
6654 \end{AmSequation*}
6655 \global\c@equation=\l_EQ_equation_fint\relax
6656 }
6657 \AtBeginDocument{%
6658 \@ifpackageloaded{fancybox}{%
6659     \@ifpackageloaded{color}{\definecolor{shadowcolor}{rgb}{0,0,0}}%
6660     {\renewcommand*\textcolor[2]{\normalcolor{#2}}}%
6661     \renewcommand*\shadowbox{%
6662         \ifstar{\MH_set_boolean_T:n {shadowbox_star}
6663             \VerbBox\EQ_shadowbox:n}
6664             {\MH_set_boolean_F:n {shadowbox_star}
6665             \VerbBox\EQ_shadowbox:n}}
6666     \def\EQ_shadowbox:n #1{%
6667         \sbox{\z@}{\fbox{#1}}%
6668         \MH_if_boolean:nTF {shadowbox_star}{

```



```

6669     \MH_setlength:dn \@tempdima{\z}%
6670   }{
6671     \MH_setlength:dn \@tempdima{\dp\z+\shadowsize}%
6672   }
6673   \raisebox{\@tempdima}{%
6674     \if@RTL\makebox[\z@][r]{%
6675       \kern\shadowsize \textcolor{shadowcolor}{%
6676         \rule[-\dp\z-\shadowsize]{\wd\z}{\shadowsize}}}%
6677     }%
6678     \else\makebox[\z@][l]{%
6679       \kern\shadowsize \textcolor{shadowcolor}{%
6680         \rule[-\dp\z-\shadowsize]{\wd\z}{\shadowsize}}}%
6681     }\fi%
6682     \usebox\z@\textcolor{shadowcolor}{%
6683       \rule[-\dp\z-\shadowsize]{\shadowsize}{\ht\z+\dp\z}}}%
6684   }{}%
6685 }
6686 \MHInternalSyntaxOff

```

7.50 extarticle-xetex-bidi.def

```

6687 \ProvidesFile{extarticle-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for extarticle class f
6688 \renewcommand*\l@section[2]{%
6689   \ifnum \c@tocdepth >\z@
6690     \addpenalty\@secpenalty
6691     \addvspace{1.0em \@plus\p@}%
6692     \setlength\@tempdima{1.5em}%
6693     \begingroup
6694       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6695       \parfillskip -\@pnumwidth
6696       \leavevmode \bfseries
6697       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
6698       \hskip -\if@RTL\rightskip\else\leftskip\fi
6699       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
6700     \endgroup
6701   \fi}
6702 \renewcommand*\l@part[2]{%
6703   \ifnum \c@tocdepth >-2\relax
6704     \addpenalty\@secpenalty
6705     \addvspace{2.25em \@plus\p@}%
6706     \begingroup
6707       \setlength\@tempdima{3em}%
6708       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6709       \parfillskip -\@pnumwidth
6710       {\leavevmode
6711         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6712       \nobreak
6713     \endgroup
6714   \fi}
6715 \def\@part[#1]#2{%

```



```

6716 \ifnum \c@secnumdepth >\m@ne
6717 \refstepcounter{part}%
6718 \addcontentsline{toc}{part}{\thepart\hspace{1em}#1}%
6719 \else
6720 \addcontentsline{toc}{part}{#1}%
6721 \fi
6722 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6723 \interlinepenalty \@M
6724 \normalfont
6725 \ifnum \c@secnumdepth >\m@ne
6726 \Large\bfseries \partname~\thepart
6727 \par\nobreak
6728 \fi
6729 \huge \bfseries #2%
6730 \markboth{}{}\par}%
6731 \nobreak
6732 \vskip 3ex
6733 \@afterheading}
6734 \def\@spart#1{%
6735 {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
6736 \interlinepenalty \@M
6737 \normalfont
6738 \huge \bfseries #1\par}%
6739 \nobreak
6740 \vskip 3ex
6741 \@afterheading}
6742 \renewenvironment{thebibliography}[1]
6743 {\section*{\refname
6744 \mkboth{\MakeUppercase\refname}{\MakeUppercase\refname}}%
6745 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
6746 \list{\@biblabel{\@arabic\c@enumiv}}%
6747 {\settowidth\labelwidth{\@biblabel{#1}}%
6748 \leftmargin\labelwidth
6749 \advance\leftmargin\labelsep
6750 \@openbib@code
6751 \usecounter{enumiv}%
6752 \let\p@enumiv\@empty
6753 \renewcommand\theenumiv{\@arabic\c@enumiv}}%
6754 \sloppy\clubpenalty4000\widowpenalty4000%
6755 \sfcode`.\@m}
6756 {\def\@noitemerr
6757 {\@latex@warning{Empty `thebibliography' environment}}%
6758 \endlist}
6759 \renewcommand\left@footnoterule{%
6760 \kern-3\p@
6761 \hrule\@width.4\columnwidth
6762 \kern2.6\p@}
6763 \renewcommand\right@footnoterule{%
6764 \hbox to \columnwidth
6765 {\beginR \vbox{%

```



```

6766 \kern-3\p@
6767 \hrule\@width.4\columnwidth
6768 \kern2.6\p@\hfil\endR}}
6769 \if@titlepage
6770 \renewcommand\maketitle{\begin{titlepage}%
6771 \let\footnotesize\small
6772 \let\right@footnoterule\relax
6773 \let\left@footnoterule\relax
6774 \let\textwidth\footnoterule\relax
6775 \let \footnote \thanks
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\maketitle\relax
6795 \global\let\@thanks\@empty
6796 \global\let\@author\@empty
6797 \global\let\@date\@empty
6798 \global\let\@title\@empty
6799 \global\let\title\relax
6800 \global\let\author\relax
6801 \global\let\date\relax
6802 \global\let\and\relax
6803 }
6804 \else
6805 \renewcommand\maketitle{\par
6806 \begingroup
6807 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6808 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6809 \long\def\@makefntext##1{\parindent 1em\noindent
6810 \hb@xt@1.8em{%
6811 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6812 \if@twocolumn
6813 \ifnum \col@number=\@ne
6814 \@maketitle
6815 \else

```



```

6816      \twocolumn[\@maketitle]%
6817      \fi
6818      \else
6819      \newpage
6820      \global\@topnum\z@    % Prevents figures from going at top of page.
6821      \@maketitle
6822      \fi
6823      \thispagestyle{plain}\@thanks
6824  \endgroup
6825  \setcounter{footnote}{0}%
6826  \global\let\thanks\relax
6827  \global\let\maketitle\relax
6828  \global\let\@maketitle\relax
6829  \global\let\@thanks\@empty
6830  \global\let\@author\@empty
6831  \global\let\@date\@empty
6832  \global\let\@title\@empty
6833  \global\let\title\relax
6834  \global\let\author\relax
6835  \global\let\date\relax
6836  \global\let\and\relax
6837 }
6838 \def\@maketitle{%
6839   \newpage
6840   \null
6841   \vskip 2em%
6842   \begin{center}%
6843     \let \footnote \thanks
6844     {\LARGE \@title \par}%
6845     \vskip 1.5em%
6846     {\large
6847       \lineskip .5em%
6848       \begin{tabular}[t]{c}%
6849         \@author
6850       \end{tabular}\par}%
6851     \vskip 1em%
6852     {\large \@date}%
6853   \end{center}%
6854   \par
6855   \vskip 1.5em}
6856 \fi
6857 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@section}
6858 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6859 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6860 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}%%

```

7.51 extbook-xetex-bidi.def

```

6861 \ProvidesFile{extbook-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for extbook class for XeT
6862 \if@titlepage

```




```

6863 \renewcommand\maketitle{\begin{titlepage}%
6864 \let\footnotesize\small
6865 \let\right@footnoterule\relax
6866 \let\left@footnoterule\relax
6867 \let\textwidth@footnoterule\relax
6868 \let \footnote \thanks
6869 \let \LTRfootnote \LTRthanks
6870 \let \RTLfootnote \RTLthanks
6871 \null\vfil
6872 \vskip 60\p@
6873 \begin{center}%
6874 {\LARGE \@title \par}%
6875 \vskip 3em%
6876 {\large
6877 \lineskip .75em%
6878 \begin{tabular}[t]{c}%
6879 \@author
6880 \end{tabular}\par}%
6881 \vskip 1.5em%
6882 {\large \@date \par}% % Set date in \large size.
6883 \end{center}\par
6884 \@thanks
6885 \vfil\null
6886 \end{titlepage}%
6887 \setcounter{footnote}{0}%
6888 \global\let\thanks\relax
6889 \global\let\LTRthanks\relax
6890 \global\let\RTLthanks\relax
6891 \global\let\maketitle\relax
6892 \global\let\@thanks\@empty
6893 \global\let\@author\@empty
6894 \global\let\@date\@empty
6895 \global\let\@title\@empty
6896 \global\let\title\relax
6897 \global\let\author\relax
6898 \global\let\date\relax
6899 \global\let\and\relax
6900 }
6901 \else
6902 \renewcommand\maketitle{\par
6903 \begingroup
6904 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
6905 \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
6906 \long\def\@makefntext##1{\parindent 1em\noindent
6907 \hb@xt@1.8em{%
6908 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
6909 \if@twocolumn
6910 \ifnum \col@number=\@ne
6911 \maketitle
6912 \else

```



```

6913         \twocolumn[\@maketitle]%
6914     \fi
6915     \else
6916         \newpage
6917         \global\@topnum\z@    % Prevents figures from going at top of page.
6918         \@maketitle
6919     \fi
6920     \thispagestyle{plain}\@thanks
6921 \endgroup
6922 \setcounter{footnote}{0}%
6923 \global\let\thanks\relax
6924 \global\let\LTRthanks\relax
6925 \global\let\RTLthanks\relax
6926 \global\let\maketitle\relax
6927 \global\let\@maketitle\relax
6928 \global\let\@thanks\@empty
6929 \global\let\@author\@empty
6930 \global\let\@date\@empty
6931 \global\let\@title\@empty
6932 \global\let\title\relax
6933 \global\let\author\relax
6934 \global\let\date\relax
6935 \global\let\and\relax
6936 }
6937 \def\@maketitle{%
6938     \newpage
6939     \null
6940     \vskip 2em%
6941     \begin{center}%
6942         \let \footnote \thanks
6943         \let \LTRfootnote \LTRthanks
6944         \let \RTLfootnote \RTLthanks
6945         {\LARGE \@title \par}%
6946         \vskip 1.5em%
6947         {\large
6948             \lineskip .5em%
6949             \begin{tabular}[t]{c}%
6950                 \@author
6951             \end{tabular}\par}%
6952         \vskip 1em%
6953         {\large \@date}%
6954     \end{center}%
6955     \par
6956     \vskip 1.5em}
6957 \fi
6958 \renewcommand*\l@part[2]{%
6959     \ifnum \c@tocdepth >-2\relax
6960         \addpenalty{-\@highpenalty}%
6961         \addvspace{2.25em \@plus\p@}%
6962         \begingroup

```



```

6963     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
6964     \parfillskip -\@pnumwidth
6965     {\leavevmode
6966       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
6967       \nobreak
6968       \global\@nobreaktrue
6969       \everypar{\global\@nobreakfalse\everypar{}}%
6970     \endgroup
6971   \fi}
6972 \renewcommand\theequation
6973   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
6974 \renewcommand \thefigure
6975   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
6976 \renewcommand \thetable
6977   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
6978 \renewcommand \thechapter {\@arabic\c@chapter}
6979 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
6980 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
6981 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
6982 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
6983 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
6984 \def\@makechapterhead#1{%
6985   \vspace*{50\p@}%
6986   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
6987     \ifnum \c@secnumdepth >\m@ne
6988       \if@mainmatter
6989         \huge\bfseries \@chapapp\space \thechapter
6990         \par\nobreak
6991         \vskip 20\p@
6992       \fi
6993       \fi
6994       \interlinepenalty\@M
6995       \Huge \bfseries #1\par\nobreak
6996       \vskip 40\p@
6997     }}
6998
6999 \def\@makeschapterhead#1{%
7000   \vspace*{50\p@}%
7001   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
7002     \normalfont
7003     \interlinepenalty\@M
7004     \Huge \bfseries #1\par\nobreak
7005     \vskip 40\p@
7006   }}
7007 \renewcommand\backmatter{%
7008   \if@openright
7009     \cleardoublepage
7010   \else
7011     \clearpage
7012   \fi

```



```

7013 \mainmatterfalse}
7014 \renewenvironment{thebibliography}[1]
7015   {\chapter*{\bibname
7016     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
7017   \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
7018   \list{\@biblabel{\@arabic\c@enumiv}}%
7019     {\settowidth\labelwidth{\@biblabel{#1}}%
7020     \leftmargin\labelwidth
7021     \advance\leftmargin\labelsep
7022     \@openbib@code
7023     \usecounter{enumiv}}%
7024     \let\p@enumiv\empty
7025     \renewcommand\theenumiv{\@arabic\c@enumiv}}%
7026   \sloppy
7027   \clubpenalty4000
7028   \@clubpenalty \clubpenalty
7029   \widowpenalty4000%
7030   \sfcode`. \m}
7031   {\def\@noitemerr
7032     {\@latex@warning{Empty `thebibliography' environment}}}%
7033   \endlist}

```

7.52 extletter-xetex-bidi.def

```

7034 \ProvidesFile{extletter-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for extletter class for
7035 \renewcommand*{\opening}[1]{\ifx\empty\fromaddress
7036   \thispagestyle{firstpage}%
7037   {\ifRTL\raggedright\else\raggedleft\fi\@date\par}%
7038   \else % home address
7039     \thispagestyle{empty}%
7040     {\ifRTL\raggedright\begin{tabular}{r@{}}\else\raggedleft\begin{tabular}{l@{}}\fi\ignorespaces
7041       \fromaddress \*[2\parskip]%
7042       \@date \end{tabular}\par}%
7043     \fi
7044     \vspace{2\parskip}%
7045     {\ifRTL\raggedleft\else\raggedright\fi \toname \ \ toaddress \par}%
7046     \vspace{2\parskip}%
7047     #1\par\nobreak}
7048 \renewcommand{\closing}[1]{\par\nobreak\vspace{\parskip}%
7049   \stopbreaks
7050   \noindent
7051   \ifx\empty\fromaddress\else
7052     \hspace*{\longindentation}\fi
7053   \parbox{\indentedwidth}{\ifRTL\raggedleft\else\raggedright\fi
7054     \ignorespaces #1\*[6\medskipamount]%
7055     \ifx\empty\fromsig
7056       \fromname
7057     \else \fromsig \fi\strut}%
7058   \par}
7059 \renewcommand\left@footnoterule{%

```



```

7060 \kern-\p@
7061 \hrule \@width .4\columnwidth
7062 \kern .6\p@}
7063 \renewcommand\right@footnoterule{%
7064 \hbox to \columnwidth
7065 {\beginR \vbox{%
7066 \kern-\p@
7067 \hrule \@width .4\columnwidth
7068 \kern .6\p@}\hfil\endR}}

```

7.53 extrafootnotefeatures-xetex-bidi.def

```

7069 \ProvidesFile{extrafootnotefeatures-xetex-bidi.def}[2012/12/12 v0.4 bidi extra footnote features]
7070 \let\autofootnoterule\relax
7071 \let\rightfootnoterule\relax
7072 \let\leftfootnoterule\relax
7073 \let\textwidthfootnoterule\relax
7074 \let\LRfootnoterule\relax
7075 \def\footnoterule{\kern-3\p@
7076 \hrule \@width \columnwidth \kern 2.6\p@}
7077 \bidi@ensure@newcommand{\setRTLparagraphfootnotes}{\@parafootRTLtrue}
7078 \bidi@ensure@newcommand{\setLTRparagraphfootnotes}{\@parafootRTLfalse}
7079 \renewcommand{\@footnotetext}[1]{%
7080 \insert\footins{%
7081 \ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7082 \def\baselinestretch{\m@m@footnote@spacing}%
7083 \reset@font
7084 \foottextfont
7085 \@preamfntext
7086 \hsize\columnwidth
7087 \protected@edef\@currentlabel{%
7088 \csname p@footnote\endcsname\@thefnmark}%
7089 \color@begingroup
7090 \@makefntext{%
7091 \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
7092 \@finalstrut\strutbox}%
7093 \color@endgroup}%
7094 \m@m@mf@prepare}
7095 \renewcommand{\@RTLfootnotetext}[1]{%
7096 \insert\footins{%
7097 \@RTLtrue%
7098 \def\baselinestretch{\m@m@footnote@spacing}%
7099 \reset@font
7100 \RTLfoottextfont
7101 \@preamfntext
7102 \hsize\columnwidth
7103 \protected@edef\@currentlabel{%
7104 \csname p@footnote\endcsname\@thefnmark}%
7105 \color@begingroup
7106 \@makefntext{%

```



```

7107      \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
7108      \@finalstrut\strutbox}%
7109      \color@endgroup}%
7110      \m@mmf@prepare}
7111 \renewcommand{\@LTRfootnotetext}[1]{%
7112   \insert\footins{%
7113     \@RTLfalse%
7114     \def\baselinestretch{\m@m@footnote@spacing}%
7115     \reset@font
7116     \LTRfoottextfont
7117     \@preamfntext
7118     \hsize\columnwidth
7119     \protected@edef\@currentlabel{%
7120       \csname p@footnote\endcsname\@thefnmark}%
7121     \color@begingroup
7122     \@makefntext{%
7123       \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
7124       \@finalstrut\strutbox}%
7125     \color@endgroup}%
7126     \m@mmf@prepare}
7127 \renewcommand{\@mpfootnotetext}[1]{%
7128   \global\setbox\@mpfootins\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7129     \unvbox\@mpfootins
7130     \def\baselinestretch{\m@m@footnote@spacing}%
7131     \foottextfont \hsize\columnwidth \@parboxrestore
7132     \protected@edef\@currentlabel{%
7133       \csname p@mpfootnote\endcsname\@thefnmark}%
7134     \color@begingroup
7135     \reset@font%
7136     \@makefntext{%
7137       \rule\z@\footnotesep\ignorespaces{\foottextfont #1}%
7138       \@finalstrut\strutbox}%
7139     \color@endgroup}}
7140 \renewcommand{\@mplTRfootnotetext}[1]{%
7141   \global\setbox\@mpfootins\vbox{\@RTLfalse%
7142     \unvbox\@mpfootins
7143     \def\baselinestretch{\m@m@footnote@spacing}%
7144     \LTRfoottextfont \hsize\columnwidth \@parboxrestore
7145     \protected@edef\@currentlabel{%
7146       \csname p@mpfootnote\endcsname\@thefnmark}%
7147     \color@begingroup
7148     \reset@font%
7149     \@makefntext{%
7150       \rule\z@\footnotesep\ignorespaces{\LTRfoottextfont #1}%
7151       \@finalstrut\strutbox}%
7152     \color@endgroup}}
7153 \renewcommand{\@mpRTLfootnotetext}[1]{%
7154   \global\setbox\@mpfootins\vbox{\@RTLtrue%
7155     \unvbox\@mpfootins
7156     \def\baselinestretch{\m@m@footnote@spacing}%

```



```

7157 \RTLfoottextfont \hsize\columnwidth \@parboxrestore
7158 \protected@edef\currentlabel{%
7159 \csname p@mpfootnote\endcsname\@thefnmark}%
7160 \color@begingroup
7161 \reset@font%
7162 \@makefnmark{%
7163 \rule\z@\footnotesep\ignorespaces{\RTLfoottextfont #1}%
7164 \@finalstrut\strutbox}%
7165 \color@endgroup}}
7166 \let\m@mold@footnotetext\@footnotetext
7167 \let\m@mold@LTRfootnotetext\@LTRfootnotetext
7168 \let\m@mold@RTLfootnotetext\@RTLfootnotetext
7169 \let\m@mold@mpfootnotetext\@mpfootnotetext
7170 \let\m@mold@mpLTRfootnotetext\@mpLTRfootnotetext
7171 \let\m@mold@mpRTLfootnotetext\@mpRTLfootnotetext
7172 \bidi@ensure@newcommand{\normalfootnotes}{%
7173 \let\@footnotetext\m@mold@footnotetext
7174 \let\@LTRfootnotetext\m@mold@LTRfootnotetext
7175 \let\@RTLfootnotetext\m@mold@RTLfootnotetext
7176 \let\@mpfootnotetext\m@mold@mpfootnotetext
7177 \let\@mpLTRfootnotetext\m@mold@mpLTRfootnotetext
7178 \let\@mpRTLfootnotetext\m@mold@mpRTLfootnotetext}
7179 \@ifclassloaded{memoir}{\let\plainfootnotes\normalfootnotes}{%
7180 \bidi@ensure@newcommand*{\RTLcolumnfootnotes}{\@RTLcolumnfootnotestruer}
7181 \bidi@ensure@newcommand*{\LTRcolumnfootnotes}{\@RTLcolumnfootnotesfalse}
7182 \bidi@ensure@newcommand*{\setSingleSpace}[1]{%
7183 \def\m@m@singlespace{#1}%
7184 \def\m@m@footnote@spacing{#1}%
7185 \def\m@m@float@spacing{#1} %
7186 }
7187 \setSingleSpace{1}
7188 \newinsert\sideins
7189 \bidi@ensure@newcommand*{\multiplefootnotemarker}{3sp}
7190 \bidi@ensure@newcommand*{\m@m@prepare}{%
7191 \kern-\multiplefootnotemarker
7192 \kern\multiplefootnotemarker\relax}
7193 \bidi@ensure@newlength{\footmarkwidth}
7194 \bidi@ensure@newlength{\footmarksep}
7195 \bidi@ensure@newlength{\footparindent}
7196 \bidi@ensure@newcommand*{\footmarkstyle}[1]{\def\footscript##1{#1}}
7197 \bidi@ensure@newcommand{\footfootmark}{%
7198 \ifdim\footmarkwidth < \z@
7199 \llap{\hb@xt@ -\footmarkwidth{%
7200 \hss\normalfont\footscript{\@thefnmark}}}%
7201 \hspace*{-\footmarkwidth}}%
7202 \else
7203 \ifdim\footmarkwidth = \z@
7204 {\normalfont\footscript{\@thefnmark}}%
7205 \else
7206 \hb@xt@\footmarkwidth{\hss\normalfont\footscript{\@thefnmark}}%

```



```

7207 \fi
7208 \fi}
7209 \footmarkstyle{\textsuperscript{#1}}
7210 \setlength{\footmarkwidth}{1.8em}
7211 \setlength{\footparindent}{1em}
7212 \bidi@ensure@newcommand{\m@mdoextrafeet}{\extrafeetins}
7213 \bidi@ensure@newcommand*{\extrafeetins}{%
7214 \setbox\@outputbox \vbox{%
7215 \boxmaxdepth \@maxdepth
7216 \unvbox\@outputbox
7217 \ifvoid\footinsv@r\else\@footstartv@r\@footgroupv@r\fi
7218 \extrafeetinshook}}
7219 \bidi@ensure@newcommand{\extrafeetinshook}{%
7220 \bidi@ensure@newcommand{\foottextfont}{\footnotesize}
7221 \bidi@ensure@newcommand{\LTRfoottextfont}{\footnotesize}
7222 \bidi@ensure@newcommand{\RTLfoottextfont}{\footnotesize}
7223 \bidi@ensure@newlength{\footinsdim}
7224 \setlength{\footinsdim}{8in} % standard for \dimen\footins
7225 \bidi@ensure@newcommand{\@preamfntext}{%
7226 \interlinepenalty\interfootnotelinepenalty
7227 \floatingpenalty \@MM
7228 \splittopskip=\footnotesep
7229 \splitmaxdepth=\dp\strutbox
7230 \@parboxrestore}
7231 \bidi@ensure@newcommand{\m@mdoextrafeetmini}{%
7232 \extrafeetminihook}
7233 \bidi@ensure@newcommand{\extrafeetendmini}{%
7234 \ifvoid\@mpfootinsv@r\else
7235 \vskip\skip\@mpfootins
7236 \normalcolor\footnoterule\mp@footgroupv@r
7237 \fi
7238 \extrafeetendminihook}
7239 \bidi@ensure@newcommand{\extrafeetendminihook}{%
7240 \bidi@ensure@newcommand{\m@mdoextrafeetendmini}{\extrafeetendmini}
7241 \def\endminipage{%
7242 \par
7243 \unskip
7244 \ifvoid\@mpfootins\else
7245 \vskip\skip\@mpfootins
7246 \normalcolor
7247 \footnoterule
7248 \unvbox\@mpfootins
7249 \fi
7250 \m@mdoextrafeetendmini
7251 \@minipagefalse
7252 \color@endgroup
7253 \egroup
7254 \expandafter\@iiparbox\@mpargs{\unvbox\@tempboxa}}
7255 \bidi@ensure@newcommand{\m@make@footstart}[1]{%
7256 \@namedef{\@footstart#1}{%

```




```

7257 \vskip\bigskipamount
7258 \leftskip=\z@
7259 \rightskip=\z@
7260 \footnoterule}}
7261 \newinsert\footinsv@r
7262 \skip\footinsv@r\bigskipamount
7263 \count\footinsv@r=1000 % no magnification
7264 \dimen\footinsv@r=\footinsdim
7265 \make@footstart{v@r}
7266 \bidi@ensure@newcommand{\@footgroupv@r}{ }
7267 \newinsert\@mpfootinsv@r
7268 \bidi@ensure@newcommand{\mp@footgroupv@r}{ }
7269 \newcount\m@m@k \newdimen\m@m@h
7270 \@ifpackageloaded{multicol}{%
7271 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
7272 \hsize\textwidth
7273 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7274 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
7275 }{%
7276 \bidi@ensure@newcommand*{\m@mrigidbalance}[3]{\setbox0=\box#1 \m@m@k=#2 \m@m@h=#3
7277 \@@line{\if@RTLcolumnfootnotes\beginR\fi\splittopskip=\m@m@h \vbadness=\@M \hfilneg
7278 \valign{##\vfill\cr\m@m@dosplits}\if@RTLcolumnfootnotes\endR\fi}}
7279 \bidi@ensure@newcommand*{\m@m@dosplits}{\ifnum\m@m@k>0 \noalign{\hfil}\m@m@splitoff
7280 \global\advance\m@m@k-1\cr\m@m@dosplits\fi}
7281 \bidi@ensure@newcommand*{\m@m@splitoff}{\dimen0=\ht0
7282 \divide\dimen0 by\m@m@k \advance\dimen0 by\m@m@h
7283 \setbox2 \vsplit0 to \dimen0
7284 \unvbox2 }
7285 \bidi@ensure@newcommand{\twocolumnfootnotes}{%
7286 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7287 \let\@footnotetext\@twocolfootnotetext
7288 \let\@LTRfootnotetext\@twocolLTRfootnotetext
7289 \let\@RTLfootnotetext\@twocolRTLfootnotetext
7290 \dimen\footinsv@r=2\footinsdim
7291 \count\footinsv@r=500\relax
7292 \make@twocol@footgroup{v@r}%
7293 \let\@footgroupv@r\@twocol@footgroupv@r
7294 \let\@mpfootnotetext\@mptwocolfootnotetext
7295 \let\@mpLTRfootnotetext\@mptwocolLTRfootnotetext
7296 \let\@mpRTLfootnotetext\@mptwocolRTLfootnotetext
7297 \make@mptwocol@footgroup{v@r}%
7298 \let\mp@footgroupv@r\@mptwocol@footgroupv@r}
7299 \bidi@ensure@newcommand{\@twocolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\
7300 \def\baselinestretch{\m@m@footnote@spacing}%
7301 \reset@font\foottextfont
7302 \@preamfntext
7303 \protected@edef\@currentlabel{%
7304 \csname p@footnote\endcsname\@thefnmark}%
7305 \color@begingroup
7306 \@twocolfootfmt{#1}%

```



```

7307 \color@endgroup}%
7308 \m@mmf@prepare}
7309 \bidi@ensure@newcommand{\@twocolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
7310 \def\baselinestretch{\m@m@footnote@spacing}%
7311 \reset@font\LTRfoottextfont
7312 \@preamfntext
7313 \protected@edef\@currentlabel{%
7314 \csname p@footnote\endcsname\@thefnmark}%
7315 \color@begingroup
7316 \@twocolLTRfootfmt{#1}%
7317 \color@endgroup}%
7318 \m@mmf@prepare}
7319 \bidi@ensure@newcommand{\@twocolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7320 \def\baselinestretch{\m@m@footnote@spacing}%
7321 \reset@font\RTLfoottextfont
7322 \@preamfntext
7323 \protected@edef\@currentlabel{%
7324 \csname p@footnote\endcsname\@thefnmark}%
7325 \color@begingroup
7326 \@twocolRTLfootfmt{#1}%
7327 \color@endgroup}%
7328 \m@mmf@prepare}
7329 \bidi@ensure@newcommand{\@preamtwofmt}{%
7330 \hspace{.45\hspace}
7331 \parindent=\z@
7332 \tolerance=5000\relax
7333 \leavevmode}
7334 \bidi@ensure@newcommand{\@twocolfootfmt}[1]{%
7335 \@preamtwofmt
7336 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7337 \bidi@ensure@newcommand{\@twocolLTRfootfmt}[1]{%
7338 \@preamtwofmt
7339 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7340 \bidi@ensure@newcommand{\@twocolRTLfootfmt}[1]{%
7341 \@preamtwofmt
7342 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7343 \bidi@ensure@newcommand{\@mptwocolfootnotetext}[1]{%
7344 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7345 \unvbox\@mpfootinsv@r
7346 \def\baselinestretch{\m@m@footnote@spacing}%
7347 \reset@font\foottextfont
7348 \hspace\columnwidth \@parboxrestore
7349 \protected@edef\@currentlabel{%
7350 \csname p@mpfootnote\endcsname\@thefnmark}%
7351 \color@begingroup
7352 \@twocolfootfmt{#1}%
7353 \color@endgroup}%
7354 \m@mmf@prepare}
7355 \bidi@ensure@newcommand{\@mptwocolLTRfootnotetext}[1]{%
7356 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%

```



```

7357 \unvbox\@mpfootinsv@r
7358 \def\baselinestretch{\m@m@footnote@spacing}%
7359 \reset@font\LTRfoottextfont
7360 \hsize\columnwidth \@parboxrestore
7361 \if@RTLcolumnfootnotes\beginL\fi
7362 \protected@edef\@currentlabel{%
7363   \csname p@mpfootnote\endcsname\@thefnmark}%
7364 \color@begingroup
7365   \@twocolLTRfootfmt{#1}%
7366 \color@endgroup}%
7367 \m@mmf@prepare}
7368 \bidi@ensure@newcommand{\@mptwocolRTLfootnotetext}[1]{%
7369   \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
7370     \unvbox\@mpfootinsv@r
7371     \def\baselinestretch{\m@m@footnote@spacing}%
7372     \reset@font\RTLfoottextfont
7373     \hsize\columnwidth \@parboxrestore
7374     \protected@edef\@currentlabel{%
7375       \csname p@mpfootnote\endcsname\@thefnmark}%
7376     \color@begingroup
7377       \@twocolRTLfootfmt{#1}%
7378     \color@endgroup}%
7379     \m@mmf@prepare}
7380 \bidi@ensure@newcommand{\twocolumnfootstyle}[1]{%
7381   \m@make@twocolfootnotetext{#1}%
7382   \m@make@mptwocolfootnotetext{#1}%
7383   \m@make@twocolfootfmt{#1}%
7384   \m@make@twocol@footgroup{#1}%
7385   \m@make@mptwocol@footgroup{#1}%
7386   \m@make@footstart{#1}%
7387   \bidi@namelongdef{\@footnotetext#1}##1{%
7388     \@nameuse{\@twocolfootnotetext#1}{##1}}%
7389   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
7390     \@nameuse{\@mptwocolfootnotetext#1}{##1}}%
7391   \@namedef{\@footgroup#1}{\@nameuse{\@twocol@footgroup#1}}%
7392   \@namedef{\mp@footgroup#1}{\@nameuse{\@mptwocol@footgroup#1}}%
7393   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
7394   \expandafter\count\csname footins#1\endcsname=500\relax}
7395 \bidi@ensure@newcommand{\m@make@twocolfootnotetext}[1]{%
7396   \bidi@namelongdef{\@twocolfootnotetext#1}##1{%
7397     \insert\@nameuse{\footins#1}{%
7398       \def\baselinestretch{\m@m@footnote@spacing}%
7399       \reset@font\@nameuse{\foottextfont#1}%
7400       \@preamfntext
7401       \protected@edef\@currentlabel{%
7402         \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
7403       \color@begingroup
7404         \@nameuse{\@twocolfootfmt#1}{##1}%
7405       \color@endgroup}%
7406       \m@mmf@prepare}}

```



```

7407 \bidi@ensure@newcommand{\m@make@mptwocolfootnotetext}[1]{%
7408 \bidi@namelongdef{\mptwocolfootnotetext#1}##1{%
7409   \global\setbox\@nameuse{\mpfootins#1}\vbox{%
7410     \unvbox\@nameuse{\mpfootins#1}
7411     \def\baselinestretch{\m@m@footnote@spacing}%
7412     \reset@font\@nameuse{\foottextfont#1}%
7413     \hsize\columnwidth \@parboxrestore
7414     \protected@edef\@currentlabel{%
7415       \csname p@mpfootnote#1\endcsname\@nameuse{\thefnmark#1}}%
7416     \color@begingroup
7417       \@nameuse{\twocolfootfmt#1}##1}%
7418     \color@endgroup}\m@mmf@prepare}
7419 \bidi@ensure@newcommand{\m@make@twocolfootfmt}[1]{%
7420   \namedef{\twocolfootfmt#1}##1{%
7421     \@preamtwofmt
7422     {\@nameuse{\footfootmark#1}\strut
7423       {\@nameuse{\foottextfont#1}##1}\strut\par}\allowbreak}}
7424 \bidi@ensure@newcommand{\m@make@twocol@footgroup}[1]{%
7425   \namedef{\twocol@footgroup#1}{%
7426     \@nameuse{\foottextfont#1} \splittopskip=\ht\strutbox
7427     \m@mrigidbalance{\@nameuse{\footins#1}}{\tw@}{\splittopskip}}}}
7428 \bidi@ensure@newcommand{\m@make@mptwocol@footgroup}[1]{%
7429   \namedef{\mptwocol@footgroup#1}{%
7430     \@nameuse{\foottextfont#1} \splittopskip=\ht\strutbox
7431     \m@mrigidbalance{\@nameuse{\mpfootins#1}}{\tw@}{\splittopskip}}}}
7432 \bidi@ensure@newcommand{\threecolumnfootnotes}{%
7433   \namedef{\foottextfontv@r}{\foottextfont}% % [RS]
7434   \let\@footnotetext\@threecolfootnotetext
7435   \let\@LTRfootnotetext\@threecolLTRfootnotetext
7436   \let\@RTLfootnotetext\@threecolRTLfootnotetext
7437   \dimen\footinsv@r=3\footinsdim
7438   \count\footinsv@r=333\relax
7439   \m@make@threecol@footgroup{v@r}%
7440   \let\@footgroupv@r\@threecol@footgroupv@r
7441   \let\@mpfootnotetext\@mpthreecolfootnotetext
7442   \let\@mpLTRfootnotetext\@mpthreecolLTRfootnotetext
7443   \let\@mpRTLfootnotetext\@mpthreecolRTLfootnotetext
7444   \m@make@mpthreecol@footgroup{v@r}%
7445   \let\mp@footgroupv@r\@mpthreecol@footgroupv@r}
7446 \bidi@ensure@newcommand{\@threecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
7447   \def\baselinestretch{\m@m@footnote@spacing}%
7448   \reset@font\foottextfont
7449   \@preamfntext
7450   \protected@edef\@currentlabel{%
7451     \csname p@footnote\endcsname\@thefnmark}%
7452   \color@begingroup
7453     \@threecolfootfmt{#1}%
7454     \color@endgroup}\m@mmf@prepare}
7455 \bidi@ensure@newcommand{\@threecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
7456   \def\baselinestretch{\m@m@footnote@spacing}%

```



```

7457 \reset@font\LTRfoottextfont
7458 \@preamfntext
7459 \protected@edef\@currentlabel{%
7460   \csname p@footnote\endcsname\@thefnmark}%
7461 \color@begingroup
7462   \@threecolLTRfootfmt{#1}%
7463 \color@endgroup}\m@mmf@prepare}
7464 \bidi@ensure@newcommand{\@threecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7465   \def\baselinestretch{\m@mm@footnote@spacing}%
7466   \reset@font\RTLfoottextfont
7467   \@preamfntext
7468   \protected@edef\@currentlabel{%
7469     \csname p@footnote\endcsname\@thefnmark}%
7470   \color@begingroup
7471     \@threecolRTLfootfmt{#1}%
7472   \color@endgroup}\m@mmf@prepare}
7473 \bidi@ensure@newcommand{\@preamthreefmt}{%
7474   \hsize .3\hsize
7475   \parindent=\z@
7476   \tolerance=5000\relax
7477   \leavevmode}
7478 \bidi@ensure@newcommand{\@threecolfootfmt}[1]{%
7479   \@preamthreefmt
7480   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7481 \bidi@ensure@newcommand{\@threecolLTRfootfmt}[1]{%
7482   \@preamthreefmt
7483   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7484 \bidi@ensure@newcommand{\@threecolRTLfootfmt}[1]{%
7485   \@preamthreefmt
7486   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7487 \bidi@ensure@newcommand{\@mpthreecolfootnotetext}[1]{%
7488   \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7489     \unvbox\@mpfootinsv@r
7490     \def\baselinestretch{\m@mm@footnote@spacing}%
7491     \reset@font\foottextfont
7492     \hsize\columnwidth \@parboxrestore
7493     \protected@edef\@currentlabel{%
7494       \csname p@mpfootnote\endcsname\@thefnmark}%
7495     \color@begingroup
7496       \@threecolfootfmt{#1}%
7497     \color@endgroup}\m@mmf@prepare}
7498 \bidi@ensure@newcommand{\@mpthreecolLTRfootnotetext}[1]{%
7499   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
7500     \unvbox\@mpfootinsv@r
7501     \def\baselinestretch{\m@mm@footnote@spacing}%
7502     \reset@font\LTRfoottextfont
7503     \hsize\columnwidth \@parboxrestore
7504     \if@RTLcolumnfootnotes\beginL\fi
7505     \protected@edef\@currentlabel{%
7506       \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

7507 \color@begingroup
7508 \@threecolLTRfootfmt{#1}%
7509 \color@endgroup}\m@mmf@prepare}
7510 \bidi@ensure@newcommand{\@mpthreecolRTLfootnotetext}[1]{%
7511 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
7512 \unvbox\@mpfootinsv@r
7513 \def\baselinestretch{\m@m@footnote@spacing}%
7514 \reset@font\RTLfoottextfont
7515 \hsize\columnwidth \@parboxrestore
7516 \protected@edef\@currentlabel{%
7517 \csname p@mpfootnote\endcsname\@thefnmark}%
7518 \color@begingroup
7519 \@threecolRTLfootfmt{#1}%
7520 \color@endgroup}\m@mmf@prepare}
7521 \bidi@ensure@newcommand{\threecolumnfootstyle}[1]{%
7522 \m@make@threecolfootnotetext{#1}%
7523 \m@make@mpthreecolfootnotetext{#1}%
7524 \m@make@threecolfootfmt{#1}%
7525 \m@make@threecol@footgroup{#1}%
7526 \m@make@mpthreecol@footgroup{#1}%
7527 \m@make@footstart{#1}%
7528 \bidi@namelongdef{\@footnotetext#1}##1{%
7529 \@nameuse{\@threecolfootnotetext#1}{##1}}%
7530 \bidi@namelongdef{\@mpfootnotetext#1}##1{%
7531 \@nameuse{\@mpthreecolfootnotetext#1}{##1}}%
7532 \@namedef{\@footgroup#1}{\@nameuse{\@threecol@footgroup#1}}%
7533 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpthreecol@footgroup#1}}%
7534 \expandafter\dimen\csname footins#1\endcsname=3\footinsdim
7535 \expandafter\count\csname footins#1\endcsname=333\relax}
7536 \bidi@ensure@newcommand{\m@make@threecolfootnotetext}[1]{%
7537 \bidi@namelongdef{\@threecolfootnotetext#1}##1{%
7538 \insert\@nameuse{footins#1}{%
7539 \def\baselinestretch{\m@m@footnote@spacing}%
7540 \reset@font\@nameuse{foottextfont#1}%
7541 \@preamfntext
7542 \protected@edef\@currentlabel{%
7543 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
7544 \color@begingroup
7545 \@nameuse{\@threecolfootfmt#1}{##1}%
7546 \color@endgroup}\m@mmf@prepare}}
7547 \bidi@ensure@newcommand{\m@make@mpthreecolfootnotetext}[1]{%
7548 \bidi@namelongdef{\@mpthreecolfootnotetext#1}##1{%
7549 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
7550 \unvbox\@nameuse{\@mpfootins#1}
7551 \def\baselinestretch{\m@m@footnote@spacing}%
7552 \reset@font\@nameuse{foottextfont#1}%
7553 \hsize\columnwidth \@parboxrestore
7554 \protected@edef\@currentlabel{%
7555 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
7556 \color@begingroup

```



```

7557 \nameuse{@threecolfootfmt#1}{##1}%
7558 \color@endgroup}\m@mmf@prepare}}
7559 \bidi@ensure@newcommand{\m@make@threecolfootfmt}[1]{%
7560 \bidi@namelongdef{@threecolfootfmt#1}##1{%
7561 \preamthreefmt
7562 {\nameuse{footfootmark#1}\strut
7563 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
7564 \bidi@ensure@newcommand{\m@make@threecol@footgroup}[1]{%
7565 \namedef{@threecol@footgroup#1}{%
7566 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7567 \m@mrigidbalance{\nameuse{footins#1}}{\thr@@}{\splittopskip}}}}
7568 \bidi@ensure@newcommand{\m@make@mpthreecol@footgroup}[1]{%
7569 \namedef{@mpthreecol@footgroup#1}{%
7570 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7571 \m@mrigidbalance{\nameuse{mpfootins#1}}{\thr@@}{\splittopskip}}}}
7572 \bidi@ensure@newcommand{\fourcolumnfootnotes}{%
7573 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
7574 \let\@footnotetext\@fourcolfootnotetext
7575 \let\@LTRfootnotetext\@fourcolLTRfootnotetext
7576 \let\@RTLfootnotetext\@fourcolRTLfootnotetext
7577 \dimen\footinsv@r=4\footinsdim
7578 \count\footinsv@r=250\relax
7579 \m@make@fourcol@footgroup{v@r}%
7580 \let\@footgroupv@r\@fourcol@footgroupv@r
7581 \let\@mpfootnotetext\@mpfourcolfootnotetext
7582 \let\@mpLTRfootnotetext\@mpfourcolLTRfootnotetext
7583 \let\@mpRTLfootnotetext\@mpfourcolRTLfootnotetext
7584 \m@make@mpfourcol@footgroup{v@r}%
7585 \let\mp@footgroupv@r\@mpfourcol@footgroupv@r}
7586 \bidi@ensure@newcommand{\@fourcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue
7587 \def\baselinestretch{\m@m@footnote@spacing}%
7588 \reset@font\foottextfont
7589 \preamfntext
7590 \protected@edef\@currentlabel{%
7591 \csname p@footnote\endcsname\@thefnmark}%
7592 \color@begingroup
7593 \@fourcolfootfmt{#1}%
7594 \color@endgroup}%
7595 \m@mmf@prepare}
7596 \bidi@ensure@newcommand{\@fourcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes
7597 \def\baselinestretch{\m@m@footnote@spacing}%
7598 \reset@font\LTRfoottextfont
7599 \preamfntext
7600 \protected@edef\@currentlabel{%
7601 \csname p@footnote\endcsname\@thefnmark}%
7602 \color@begingroup
7603 \@fourcolLTRfootfmt{#1}%
7604 \color@endgroup}%
7605 \m@mmf@prepare}
7606 \bidi@ensure@newcommand{\@fourcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%

```



```

7607 \def\baselinestretch{\m@m@footnote@spacing}%
7608 \reset@font\RTLfoottextfont
7609 \@preamfntext
7610 \protected@edef\@currentlabel{%
7611 \csname p@footnote\endcsname\@thefnmark}%
7612 \color@begingroup
7613 \@fourcolRTLfootfmt{#1}%
7614 \color@endgroup}%
7615 \m@m@mmf@prepare}
7616 \bidi@ensure@newcommand{\@preamfourfmt}{%
7617 \hspace{.25\hspace}
7618 \parindent=\z@
7619 \tolerance=5000\relax
7620 \leavevmode}
7621 \bidi@ensure@newcommand{\@fourcolfootfmt}[1]{%
7622 \@preamfourfmt
7623 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7624 \bidi@ensure@newcommand{\@fourcolLTRfootfmt}[1]{%
7625 \@preamfourfmt
7626 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7627 \bidi@ensure@newcommand{\@fourcolRTLfootfmt}[1]{%
7628 \@preamfourfmt
7629 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7630 \bidi@ensure@newcommand{\@mpfourcolfootnotetext}[1]{%
7631 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7632 \unvbox\@mpfootinsv@r
7633 \def\baselinestretch{\m@m@footnote@spacing}%
7634 \reset@font\foottextfont
7635 \hspace\columnwidth \@parboxrestore
7636 \protected@edef\@currentlabel{%
7637 \csname p@mpfootnote\endcsname\@thefnmark}%
7638 \color@begingroup
7639 \@fourcolfootfmt{#1}%
7640 \color@endgroup}%
7641 \m@m@mmf@prepare}
7642 \bidi@ensure@newcommand{\@mpfourcolLTRfootnotetext}[1]{%
7643 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
7644 \unvbox\@mpfootinsv@r
7645 \def\baselinestretch{\m@m@footnote@spacing}%
7646 \reset@font\LTRfoottextfont
7647 \hspace\columnwidth \@parboxrestore
7648 \if@RTLcolumnfootnotes\beginL\fi
7649 \protected@edef\@currentlabel{%
7650 \csname p@mpfootnote\endcsname\@thefnmark}%
7651 \color@begingroup
7652 \@fourcolLTRfootfmt{#1}%
7653 \color@endgroup}%
7654 \m@m@mmf@prepare}
7655 \bidi@ensure@newcommand{\@mpfourcolRTLfootnotetext}[1]{%
7656 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%

```




```

7657 \unvbox\@mpfootinsv@r
7658 \def\baselinestretch{\m@m@footnote@spacing}%
7659 \reset@font\RTLfoottextfont
7660 \hsize\columnwidth \@parboxrestore
7661 \protected@edef\@currentlabel{%
7662 \csname p@mpfootnote\endcsname\@thefnmark}%
7663 \color@begingroup
7664 \@fourcolRTLfootfmt{#1}%
7665 \color@endgroup}%
7666 \m@mmf@prepare}
7667 \bidi@ensure@newcommand{\fourcolumnfootstyle}[1]{%
7668 \m@make@fourcolfootnotetext{#1}%
7669 \m@make@mpfourcolfootnotetext{#1}%
7670 \m@make@fourcolfootfmt{#1}%
7671 \m@make@fourcol@footgroup{#1}%
7672 \m@make@mpfourcol@footgroup{#1}%
7673 \m@make@footstart{#1}%
7674 \bidi@namelongdef{\footnotetext#1}##1{%
7675 \@nameuse{\@fourcolfootnotetext#1}{##1}}%
7676 \bidi@namelongdef{\mpfootnotetext#1}##1{%
7677 \@nameuse{\@mpfourcolfootnotetext#1}{##1}}%
7678 \@namedef{\@footgroup#1}{\@nameuse{\@fourcol@footgroup#1}}%
7679 \@namedef{\mp@footgroup#1}{\@nameuse{\@mpfourcol@footgroup#1}}%
7680 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
7681 \expandafter\count\csname footins#1\endcsname=500\relax}
7682 \bidi@ensure@newcommand{\m@make@fourcolfootnotetext}[1]{%
7683 \bidi@namelongdef{\@fourcolfootnotetext#1}##1{%
7684 \insert\@nameuse{\footins#1}{%
7685 \def\baselinestretch{\m@m@footnote@spacing}%
7686 \reset@font\@nameuse{\foottextfont#1}%
7687 \@preamfntext
7688 \protected@edef\@currentlabel{%
7689 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
7690 \color@begingroup
7691 \@nameuse{\@fourcolfootfmt#1}{##1}%
7692 \color@endgroup}%
7693 \m@mmf@prepare}}
7694 \bidi@ensure@newcommand{\m@make@mpfourcolfootnotetext}[1]{%
7695 \bidi@namelongdef{\@mpfourcolfootnotetext#1}##1{%
7696 \global\setbox\@nameuse{\@mpfootins#1}\vbox{%
7697 \unvbox\@nameuse{\@mpfootins#1}
7698 \def\baselinestretch{\m@m@footnote@spacing}%
7699 \reset@font\@nameuse{\foottextfont#1}%
7700 \hsize\columnwidth \@parboxrestore
7701 \protected@edef\@currentlabel{%
7702 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
7703 \color@begingroup
7704 \@nameuse{\@fourcolfootfmt#1}{##1}%
7705 \color@endgroup}\m@mmf@prepare}}
7706 \bidi@ensure@newcommand{\m@make@fourcolfootfmt}[1]{%

```



```

7707 \namedef{@fourcolfootfmt#1}##1{%
7708 \preamfourfmt
7709 {\@nameuse{footfootmark#1}\strut
7710 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
7711 \bidi@ensure@newcommand{\m@make@fourcol@footgroup}[1]{%
7712 \namedef{@fourcol@footgroup#1}{%
7713 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7714 \m@rigrigidbodybalance{\@nameuse{footins#1}}{4}{\splittopskip}}}}
7715 \bidi@ensure@newcommand{\m@make@mpfourcol@footgroup}[1]{%
7716 \namedef{@mpfourcol@footgroup#1}{%
7717 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7718 \m@rigrigidbodybalance{\@nameuse{mpfootins#1}}{4}{\splittopskip}}}}
7719 \bidi@ensure@newcommand{\fivcolumnfootnotes}{%
7720 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
7721 \let\@footnotetext\@fivecolfootnotetext
7722 \let\@LTRfootnotetext\@fivecolLTRfootnotetext
7723 \let\@RTLfootnotetext\@fivecolRTLfootnotetext
7724 \dimen\footinsv@r=5\footinsdim
7725 \count\footinsv@r=200\relax
7726 \m@make@fivecol@footgroup{v@r}%
7727 \let\@footgroupv@r\@fivecol@footgroupv@r
7728 \let\@mpfootnotetext\@mpfivecolfootnotetext
7729 \let\@mpLTRfootnotetext\@mpfivecolLTRfootnotetext
7730 \let\@mpRTLfootnotetext\@mpfivecolRTLfootnotetext
7731 \m@make@mpfivecol@footgroup{v@r}%
7732 \let\mp@footgroupv@r\@mpfivecol@footgroupv@r}
7733 \bidi@ensure@newcommand{\@fivecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
7734 \def\baselinestretch{\m@m@footnote@spacing}%
7735 \reset@font\foottextfont
7736 \@preamfntext
7737 \protected@edef\@currentlabel{%
7738 \csname p@footnote\endcsname\@thefnmark}%
7739 \color@begingroup
7740 \@fivecolfootfmt{#1}%
7741 \color@endgroup}%
7742 \m@m@mmf@prepare}
7743 \bidi@ensure@newcommand{\@fivecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
7744 \def\baselinestretch{\m@m@footnote@spacing}%
7745 \reset@font\LTRfoottextfont
7746 \@preamfntext
7747 \protected@edef\@currentlabel{%
7748 \csname p@footnote\endcsname\@thefnmark}%
7749 \color@begingroup
7750 \@fivecolLTRfootfmt{#1}%
7751 \color@endgroup}%
7752 \m@m@mmf@prepare}
7753 \bidi@ensure@newcommand{\@fivecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7754 \def\baselinestretch{\m@m@footnote@spacing}%
7755 \reset@font\RTLfoottextfont
7756 \@preamfntext

```



```

7757 \protected@edef\@currentlabel{%
7758 \csname p@footnote\endcsname\@thefnmark}%
7759 \color@begingroup
7760 \@fivecolRTLfootfmt{#1}%
7761 \color@endgroup}%
7762 \m@mmf@prepare}
7763 \bidi@ensure@newcommand{\@preamfivefmt}{%
7764 \hspace{.2\hspace}
7765 \parindent=\z@
7766 \tolerance=5000\relax
7767 \leavevmode}
7768 \bidi@ensure@newcommand{\@fivecolfootfmt}[1]{%
7769 \@preamfivefmt
7770 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7771 \bidi@ensure@newcommand{\@fivecolLTRfootfmt}[1]{%
7772 \@preamfivefmt
7773 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7774 \bidi@ensure@newcommand{\@fivecolRTLfootfmt}[1]{%
7775 \@preamfivefmt
7776 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7777 \bidi@ensure@newcommand{\@mpfivecolfootnotetext}[1]{%
7778 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
7779 \unvbox\@mpfootinsv@r
7780 \def\baselinestretch{\m@mm@footnote@spacing}%
7781 \reset@font\foottextfont
7782 \hspace\columnwidth \@parboxrestore
7783 \protected@edef\@currentlabel{%
7784 \csname p@mpfootnote\endcsname\@thefnmark}%
7785 \color@begingroup
7786 \@fivecolfootfmt{#1}%
7787 \color@endgroup}%
7788 \m@mmf@prepare}
7789 \bidi@ensure@newcommand{\@mpfivecolLTRfootnotetext}[1]{%
7790 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
7791 \unvbox\@mpfootinsv@r
7792 \def\baselinestretch{\m@mm@footnote@spacing}%
7793 \reset@font\LTRfoottextfont
7794 \hspace\columnwidth \@parboxrestore
7795 \if@RTLcolumnfootnotes\beginL\fi
7796 \protected@edef\@currentlabel{%
7797 \csname p@mpfootnote\endcsname\@thefnmark}%
7798 \color@begingroup
7799 \@fivecolLTRfootfmt{#1}%
7800 \color@endgroup}%
7801 \m@mmf@prepare}
7802 \bidi@ensure@newcommand{\@mpfivecolRTLfootnotetext}[1]{%
7803 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
7804 \unvbox\@mpfootinsv@r
7805 \def\baselinestretch{\m@mm@footnote@spacing}%
7806 \reset@font\RTLfoottextfont

```



```

7807 \hsize\columnwidth \@parboxrestore
7808 \protected@edef\@currentlabel{%
7809 \csname p@mpfootnote\endcsname\@thefnmark}%
7810 \color@begingroup
7811 \@fivecolRTLfootfmt{#1}%
7812 \color@endgroup}%
7813 \m@mmf@prepare}
7814 \bidi@ensure@newcommand{\fivecolumnfootstyle}[1]{%
7815 \m@make@fivecolfootnotetext{#1}%
7816 \m@make@mpfivecolfootnotetext{#1}%
7817 \m@make@fivecolfootfmt{#1}%
7818 \m@make@fivecol@footgroup{#1}%
7819 \m@make@mpfivecol@footgroup{#1}%
7820 \m@make@footstart{#1}%
7821 \bidi@namelongdef{\footnotetext#1}##1{%
7822 \@nameuse{\@fivecolfootnotetext#1}{##1}}%
7823 \bidi@namelongdef{\mpfootnotetext#1}##1{%
7824 \@nameuse{\mpfivecolfootnotetext#1}{##1}}%
7825 \@namedef{\@footgroup#1}{\@nameuse{\@fivecol@footgroup#1}}%
7826 \@namedef{\mp@footgroup#1}{\@nameuse{\mpfivecol@footgroup#1}}%
7827 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
7828 \expandafter\count\csname footins#1\endcsname=500\relax}
7829 \bidi@ensure@newcommand{\m@make@fivecolfootnotetext}[1]{%
7830 \bidi@namelongdef{\@fivecolfootnotetext#1}##1{%
7831 \insert\@nameuse{footins#1}{%
7832 \def\baselinestretch{\m@m@footnote@spacing}%
7833 \reset@font\@nameuse{foottextfont#1}%
7834 \@preamfntext
7835 \protected@edef\@currentlabel{%
7836 \csname p@footnote#1\endcsname \@nameuse{\@thefnmark#1}}%
7837 \color@begingroup
7838 \@nameuse{\@fivecolfootfmt#1}{##1}%
7839 \color@endgroup}%
7840 \m@mmf@prepare}}
7841 \bidi@ensure@newcommand{\m@make@mpfivecolfootnotetext}[1]{%
7842 \bidi@namelongdef{\mpfivecolfootnotetext#1}##1{%
7843 \global\setbox\@nameuse{\mpfootins#1}\vbox{%
7844 \unvbox\@nameuse{\mpfootins#1}
7845 \def\baselinestretch{\m@m@footnote@spacing}%
7846 \reset@font\@nameuse{foottextfont#1}%
7847 \hsize\columnwidth \@parboxrestore
7848 \protected@edef\@currentlabel{%
7849 \csname p@mpfootnote#1\endcsname\@nameuse{\@thefnmark#1}}%
7850 \color@begingroup
7851 \@nameuse{\@fivecolfootfmt#1}{##1}%
7852 \color@endgroup}\m@mmf@prepare}}
7853 \bidi@ensure@newcommand{\m@make@fivecolfootfmt}[1]{%
7854 \@namedef{\@fivecolfootfmt#1}##1{%
7855 \@preamfivefmt
7856 {\@nameuse{footfootmark#1}}\strut

```



```

7857      {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
7858 \bidi@ensure@newcommand{\m@make@fivecol@footgroup}[1]{%
7859   \@namedef{@fivecol@footgroup#1}{%
7860     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7861     \m@rigrigidbodybalance{\@nameuse{footins#1}}{5}{\splittopskip}}}}
7862 \bidi@ensure@newcommand{\m@make@mpfivecol@footgroup}[1]{%
7863   \@namedef{@mpfivecol@footgroup#1}{%
7864     \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
7865     \m@rigrigidbodybalance{\@nameuse{@mpfootins#1}}{5}{\splittopskip}}}}
7866 \bidi@ensure@newcommand{\sixcolumnfootnotes}{%
7867   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
7868   \let\@footnotetext\@sixcolfootnotetext
7869   \let\@LTRfootnotetext\@sixcolLTRfootnotetext
7870   \let\@RTLfootnotetext\@sixcolRTLfootnotetext
7871   \dimen\footinsv@r=6\footinsdim
7872   \count\footinsv@r=166\relax
7873   \m@make@sixcol@footgroup{v@r}%
7874   \let\@footgroupv@r\@sixcol@footgroupv@r
7875   \let\@mpfootnotetext\@mpsixcolfootnotetext
7876   \let\@mpLTRfootnotetext\@mpsixcolLTRfootnotetext
7877   \let\@mpRTLfootnotetext\@mpsixcolRTLfootnotetext
7878   \m@make@mpsixcol@footgroup{v@r}%
7879   \let\mp@footgroupv@r\@mpsixcol@footgroupv@r}
7880 \bidi@ensure@newcommand{\@sixcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
7881   \def\baselinestretch{\m@m@footnote@spacing}%
7882   \reset@font\foottextfont
7883   \@preamfntext
7884   \protected@edef\@currentlabel{%
7885     \csname p@footnote\endcsname\@thefnmark}%
7886   \color@begingroup
7887     \@sixcolfootfmt{#1}%
7888   \color@endgroup}%
7889   \m@m@mmf@prepare}
7890 \bidi@ensure@newcommand{\@sixcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
7891   \def\baselinestretch{\m@m@footnote@spacing}%
7892   \reset@font\LTRfoottextfont
7893   \@preamfntext
7894   \protected@edef\@currentlabel{%
7895     \csname p@footnote\endcsname\@thefnmark}%
7896   \color@begingroup
7897     \@sixcolLTRfootfmt{#1}%
7898   \color@endgroup}%
7899   \m@m@mmf@prepare}
7900 \bidi@ensure@newcommand{\@sixcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
7901   \def\baselinestretch{\m@m@footnote@spacing}%
7902   \reset@font\RTLfoottextfont
7903   \@preamfntext
7904   \protected@edef\@currentlabel{%
7905     \csname p@footnote\endcsname\@thefnmark}%
7906   \color@begingroup

```



```

7907 \sixcolRTLfootfmt{#1}%
7908 \color@endgroup}%
7909 \m@mmf@prepare}
7910 \bidi@ensure@newcommand{\@preamsixfmt}{%
7911 \hspace{.16\hspace}
7912 \parindent=\z@
7913 \tolerance=5000\relax
7914 \leavevmode}
7915 \bidi@ensure@newcommand{\@sixcolfootfmt}[1]{%
7916 \@preamsixfmt
7917 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
7918 \bidi@ensure@newcommand{\@sixcolLTRfootfmt}[1]{%
7919 \@preamsixfmt
7920 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
7921 \bidi@ensure@newcommand{\@sixcolRTLfootfmt}[1]{%
7922 \@preamsixfmt
7923 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
7924 \bidi@ensure@newcommand{\@mpsixcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi
7925 \global\setbox\@mpfootinsv@r\vbox{%
7926 \unvbox\@mpfootinsv@r
7927 \def\baselinestretch{\m@m@footnote@spacing}%
7928 \reset@font\foottextfont
7929 \hspace\columnwidth \@parboxrestore
7930 \protected@edef\@currentlabel{%
7931 \csname p@mpfootnote\endcsname\@thefnmark}%
7932 \color@begingroup
7933 \sixcolfootfmt{#1}%
7934 \color@endgroup}%
7935 \m@mmf@prepare}
7936 \bidi@ensure@newcommand{\@mpsixcolLTRfootnotetext}[1]{\@RTLfalse%
7937 \global\setbox\@mpfootinsv@r\vbox{%
7938 \unvbox\@mpfootinsv@r
7939 \def\baselinestretch{\m@m@footnote@spacing}%
7940 \reset@font\LTRfoottextfont
7941 \hspace\columnwidth \@parboxrestore
7942 \if@RTLcolumnfootnotes\beginL\fi
7943 \protected@edef\@currentlabel{%
7944 \csname p@mpfootnote\endcsname\@thefnmark}%
7945 \color@begingroup
7946 \sixcolLTRfootfmt{#1}%
7947 \color@endgroup}%
7948 \m@mmf@prepare}
7949 \bidi@ensure@newcommand{\@mpsixcolRTLfootnotetext}[1]{\@RTLtrue%
7950 \global\setbox\@mpfootinsv@r\vbox{%
7951 \unvbox\@mpfootinsv@r
7952 \def\baselinestretch{\m@m@footnote@spacing}%
7953 \reset@font\RTLfoottextfont
7954 \hspace\columnwidth \@parboxrestore
7955 \protected@edef\@currentlabel{%
7956 \csname p@mpfootnote\endcsname\@thefnmark}%

```



```

7957 \color@begingroup
7958   \@sixcolRTLfootfmt{#1}%
7959 \color@endgroup}%
7960 \m@mmf@prepare}
7961 \bidi@ensure@newcommand{\sixcolumnfootstyle}[1]{%
7962   \m@make@sixcolfootnotetext{#1}%
7963   \m@make@mpsixcolfootnotetext{#1}%
7964   \m@make@sixcolfootfmt{#1}%
7965   \m@make@sixcol@footgroup{#1}%
7966   \m@make@mpsixcol@footgroup{#1}%
7967   \m@make@footstart{#1}%
7968   \bidi@namelongdef{\footnotetext#1}##1{%
7969     \@nameuse{\@sixcolfootnotetext#1}{##1}}%
7970   \bidi@namelongdef{\mpfootnotetext#1}##1{%
7971     \@nameuse{\@mpsixcolfootnotetext#1}{##1}}%
7972   \@namedef{\@footgroup#1}{\@nameuse{\@sixcol@footgroup#1}}%
7973   \@namedef{\mp@footgroup#1}{\@nameuse{\@mpsixcol@footgroup#1}}%
7974   \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
7975   \expandafter\count\csname footins#1\endcsname=500\relax}
7976 \bidi@ensure@newcommand{\m@make@sixcolfootnotetext}[1]{%
7977   \bidi@namelongdef{\@sixcolfootnotetext#1}##1{%
7978     \insert\@nameuse{footins#1}{%
7979       \def\baselinestretch{\m@m@footnote@spacing}%
7980       \reset@font\@nameuse{foottextfont#1}%
7981       \preamfntext
7982       \protected@edef\@currentlabel{%
7983         \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
7984       \color@begingroup
7985         \@nameuse{\@sixcolfootfmt#1}{##1}%
7986       \color@endgroup}%
7987     \m@mmf@prepare}}
7988 \bidi@ensure@newcommand{\m@make@mpsixcolfootnotetext}[1]{%
7989   \bidi@namelongdef{\@mpsixcolfootnotetext#1}##1{%
7990     \global\setbox\@nameuse{\mpfootins#1}\vbox{%
7991       \unvbox\@nameuse{\mpfootins#1}
7992       \def\baselinestretch{\m@m@footnote@spacing}%
7993       \reset@font\@nameuse{foottextfont#1}%
7994       \hsize\columnwidth \@parboxrestore
7995       \protected@edef\@currentlabel{%
7996         \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
7997     \color@begingroup
7998       \@nameuse{\@sixcolfootfmt#1}{##1}%
7999     \color@endgroup}\m@mmf@prepare}}
8000 \bidi@ensure@newcommand{\m@make@sixcolfootfmt}[1]{%
8001   \@namedef{\@sixcolfootfmt#1}##1{%
8002     \preamsifmt
8003     {\@nameuse{footfootmark#1}\strut
8004     {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8005 \bidi@ensure@newcommand{\m@make@sixcol@footgroup}[1]{%
8006   \@namedef{\@sixcol@footgroup#1}{%

```



```

8007 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8008 \m@rigrigidbodybalance{\nameuse{footins#1}}{6}{\splittopskip}}
8009 \bidi@ensure@newcommand{\m@make@mpsixcol@footgroup}[1]{%
8010 \namedef{@mpsixcol@footgroup#1}{%
8011 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8012 \m@rigrigidbodybalance{\nameuse{@mpfootins#1}}{6}{\splittopskip}}
8013 \bidi@ensure@newcommand{\sevendcolumnfootnotes}{%
8014 \namedef{foottextfontv@r}{\foottextfont}% % [RS]
8015 \let\@footnotetext\@sevendcolfootnotetext
8016 \let\@LTRfootnotetext\@sevendcolLTRfootnotetext
8017 \let\@RTLfootnotetext\@sevendcolRTLfootnotetext
8018 \dimen\footinsv@r=7\footinsdim
8019 \count\footinsv@r=142\relax
8020 \m@make@sevendcol@footgroup{v@r}%
8021 \let\@footgroupv@r\@sevendcol@footgroupv@r
8022 \let\@mpfootnotetext\@mpsevendcolfootnotetext
8023 \let\@mpLTRfootnotetext\@mpsevendcolLTRfootnotetext
8024 \let\@mpRTLfootnotetext\@mpsevendcolRTLfootnotetext
8025 \m@make@mpsevendcol@footgroup{v@r}%
8026 \let\mp@footgroupv@r\@mpsevendcol@footgroupv@r
8027 \bidi@ensure@newcommand{\@sevendcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8028 \def\baselinestretch{\m@m@footnote@spacing}%
8029 \reset@font\foottextfont
8030 \@preamfntext
8031 \protected@edef\@currentlabel{%
8032 \csname p@footnote\endcsname\@thefnmark}%
8033 \color@begingroup
8034 \@sevendcolfootfmt{#1}%
8035 \color@endgroup}%
8036 \m@mmf@prepare}
8037 \bidi@ensure@newcommand{\@sevendcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8038 \def\baselinestretch{\m@m@footnote@spacing}%
8039 \reset@font\LTRfoottextfont
8040 \@preamfntext
8041 \protected@edef\@currentlabel{%
8042 \csname p@footnote\endcsname\@thefnmark}%
8043 \color@begingroup
8044 \@sevendcolLTRfootfmt{#1}%
8045 \color@endgroup}%
8046 \m@mmf@prepare}
8047 \bidi@ensure@newcommand{\@sevendcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8048 \def\baselinestretch{\m@m@footnote@spacing}%
8049 \reset@font\RTLfoottextfont
8050 \@preamfntext
8051 \protected@edef\@currentlabel{%
8052 \csname p@footnote\endcsname\@thefnmark}%
8053 \color@begingroup
8054 \@sevendcolRTLfootfmt{#1}%
8055 \color@endgroup}%
8056 \m@mmf@prepare}

```




```

8057 \bidi@ensure@newcommand{\@preamsevenfmt}{%
8058   \hsize .142\hsize
8059   \parindent=\z@
8060   \tolerance=5000\relax
8061   \leavevmode}
8062 \bidi@ensure@newcommand{\@sevendcolfootfmt}[1]{%
8063   \@preamsevenfmt
8064   {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8065 \bidi@ensure@newcommand{\@sevendcolLTRfootfmt}[1]{%
8066   \@preamsevenfmt
8067   {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8068 \bidi@ensure@newcommand{\@sevendcolRTLfootfmt}[1]{%
8069   \@preamsevenfmt
8070   {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8071 \bidi@ensure@newcommand{\@mpsevendcolfootnotetext}[1]{\if@RTL@footnote\@RTLtrue\else\@RTLfalse%
8072   \global\setbox\@mpfootinsv@r\vbox{%
8073     \unvbox\@mpfootinsv@r
8074     \def\baselinestretch{\m@m@footnote@spacing}%
8075     \reset@font\foottextfont
8076     \hsize\columnwidth \@parboxrestore
8077     \protected@edef\@currentlabel{%
8078       \csname p@mpfootnote\endcsname\@thefnmark}%
8079     \color@begingroup
8080       \@sevendcolfootfmt{#1}%
8081     \color@endgroup}%
8082   \m@m@mmf@prepare}
8083 \bidi@ensure@newcommand{\@mpsevendcolLTRfootnotetext}[1]{\@RTLfalse%
8084   \global\setbox\@mpfootinsv@r\vbox{%
8085     \unvbox\@mpfootinsv@r
8086     \def\baselinestretch{\m@m@footnote@spacing}%
8087     \reset@font\LTRfoottextfont
8088     \hsize\columnwidth \@parboxrestore
8089     \if@RTLcolumnfootnotes\beginL\fi
8090     \protected@edef\@currentlabel{%
8091       \csname p@mpfootnote\endcsname\@thefnmark}%
8092     \color@begingroup
8093       \@sevendcolLTRfootfmt{#1}%
8094     \color@endgroup}%
8095   \m@m@mmf@prepare}
8096 \bidi@ensure@newcommand{\@mpsevendcolRTLfootnotetext}[1]{\@RTLtrue%
8097   \global\setbox\@mpfootinsv@r\vbox{%
8098     \unvbox\@mpfootinsv@r
8099     \def\baselinestretch{\m@m@footnote@spacing}%
8100     \reset@font\RTLfoottextfont
8101     \hsize\columnwidth \@parboxrestore
8102     \protected@edef\@currentlabel{%
8103       \csname p@mpfootnote\endcsname\@thefnmark}%
8104     \color@begingroup
8105       \@sevendcolRTLfootfmt{#1}%
8106     \color@endgroup}%

```



```

8107 \m@mmf@prepare}
8108 \bidi@ensure@newcommand{\sevendcolumnfootstyle}[1]{%
8109 \m@make@sevendcolfootnotetext{#1}%
8110 \m@make@mpsevendcolfootnotetext{#1}%
8111 \m@make@sevendcolfootfmt{#1}%
8112 \m@make@sevendcol@footgroup{#1}%
8113 \m@make@mpsevendcol@footgroup{#1}%
8114 \m@make@footstart{#1}%
8115 \bidi@namelongdef{@footnotetext#1}##1{%
8116 \nameuse{@sevendcolfootnotetext#1}{##1}}%
8117 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8118 \nameuse{@mpsevendcolfootnotetext#1}{##1}}%
8119 \@namedef{@footgroup#1}{\nameuse{@sevendcol@footgroup#1}}%
8120 \@namedef{@mp@footgroup#1}{\nameuse{@mpsevendcol@footgroup#1}}%
8121 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8122 \expandafter\count\csname footins#1\endcsname=500\relax}
8123 \bidi@ensure@newcommand{\m@make@sevendcolfootnotetext}[1]{%
8124 \bidi@namelongdef{@sevendcolfootnotetext#1}##1{%
8125 \insert\nameuse{footins#1}{%
8126 \def\baselinestretch{\m@m@footnote@spacing}%
8127 \reset@font\nameuse{foottextfont#1}%
8128 \@preamfntext
8129 \protected@edef\currentlabel{%
8130 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
8131 \color@begingroup
8132 \nameuse{@sevendcolfootfmt#1}{##1}%
8133 \color@endgroup}%
8134 \m@mmf@prepare}}
8135 \bidi@ensure@newcommand{\m@make@mpsevendcolfootnotetext}[1]{%
8136 \bidi@namelongdef{@mpsevendcolfootnotetext#1}##1{%
8137 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8138 \unvbox\nameuse{@mpfootins#1}
8139 \def\baselinestretch{\m@m@footnote@spacing}%
8140 \reset@font\nameuse{foottextfont#1}%
8141 \hsize\columnwidth \@parboxrestore
8142 \protected@edef\currentlabel{%
8143 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8144 \color@begingroup
8145 \nameuse{@sevendcolfootfmt#1}{##1}%
8146 \color@endgroup}\m@mmf@prepare}}
8147 \bidi@ensure@newcommand{\m@make@sevendcolfootfmt}[1]{%
8148 \@namedef{@sevendcolfootfmt#1}##1{%
8149 \@preamsevenfmt
8150 {\nameuse{footfootmark#1}\strut
8151 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8152 \bidi@ensure@newcommand{\m@make@sevendcol@footgroup}[1]{%
8153 \@namedef{@sevendcol@footgroup#1}{%
8154 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8155 \m@rigrigidbalance{\nameuse{footins#1}}{7}{\splittopskip}}}%
8156 \bidi@ensure@newcommand{\m@make@mpsevendcol@footgroup}[1]{%

```



```

8157 \@namedef{@mpsevenscol@footgroup#1}{%
8158   \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8159   \m@mrigidbalance{\@nameuse{@mpfootins#1}}{7}{\splittopskip}}}%
8160 \bidi@ensure@newcommand{\eightcolumnfootnotes}{%
8161   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8162   \let\@footnotetext\@eightcolfootnotetext
8163   \let\@LTRfootnotetext\@eightcolLTRfootnotetext
8164   \let\@RTLfootnotetext\@eightcolRTLfootnotetext
8165   \dimen\footinsv@r=8\footinsdim
8166   \count\footinsv@r=125\relax
8167   \m@make@eightcol@footgroup{v@r}%
8168   \let\@footgroupv@r\@eightcol@footgroupv@r
8169   \let\@mpfootnotetext\@mpeightcolfootnotetext
8170   \let\@mpLTRfootnotetext\@mpeightcolLTRfootnotetext
8171   \let\@mpRTLfootnotetext\@mpeightcolRTLfootnotetext
8172   \m@make@mpeightcol@footgroup{v@r}%
8173   \let\mp@footgroupv@r\@mpeightcol@footgroupv@r}
8174 \bidi@ensure@newcommand{\@eightcolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtru
8175   \def\baselinestretch{\m@m@footnote@spacing}%
8176   \reset@font\foottextfont
8177   \@preamfntext
8178   \protected@edef\@currentlabel{%
8179     \csname p@footnote\endcsname\@thefnmark}%
8180   \color@begingroup
8181     \@eightcolfootfmt{#1}%
8182   \color@endgroup}%
8183   \m@mmf@prepare}
8184 \bidi@ensure@newcommand{\@eightcolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnote
8185   \def\baselinestretch{\m@m@footnote@spacing}%
8186   \reset@font\LTRfoottextfont
8187   \@preamfntext
8188   \protected@edef\@currentlabel{%
8189     \csname p@footnote\endcsname\@thefnmark}%
8190   \color@begingroup
8191     \@eightcolLTRfootfmt{#1}%
8192   \color@endgroup}%
8193   \m@mmf@prepare}
8194 \bidi@ensure@newcommand{\@eightcolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8195   \def\baselinestretch{\m@m@footnote@spacing}%
8196   \reset@font\RTLfoottextfont
8197   \@preamfntext
8198   \protected@edef\@currentlabel{%
8199     \csname p@footnote\endcsname\@thefnmark}%
8200   \color@begingroup
8201     \@eightcolRTLfootfmt{#1}%
8202   \color@endgroup}%
8203   \m@mmf@prepare}
8204 \bidi@ensure@newcommand{\@preameightfmt}{%
8205   \hsize .125\hsize
8206   \parindent=\z@

```



```

8207 \tolerance=5000\relax
8208 \leavevmode}
8209 \bidi@ensure@newcommand{\@eightcolfootfmt}[1]{%
8210 \preameightfmt
8211 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8212 \bidi@ensure@newcommand{\@eightcolLTRfootfmt}[1]{%
8213 \preameightfmt
8214 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8215 \bidi@ensure@newcommand{\@eightcolRTLfootfmt}[1]{%
8216 \preameightfmt
8217 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8218 \bidi@ensure@newcommand{\@mpeightcolfootnotetext}[1]{%
8219 \global\setbox\@mpfootinsv\@vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8220 \unvbox\@mpfootinsv\@r
8221 \def\baselinestretch{\m@m@footnote@spacing}%
8222 \reset@font\foottextfont
8223 \hsize\columnwidth \@parboxrestore
8224 \protected@edef\@currentlabel{%
8225 \csname p@mpfootnote\endcsname\@thefnmark}%
8226 \color@begingroup
8227 \@eightcolfootfmt{#1}%
8228 \color@endgroup}%
8229 \m@m@mmf@prepare}
8230 \bidi@ensure@newcommand{\@mpeightcolLTRfootnotetext}[1]{%
8231 \global\setbox\@mpfootinsv\@vbox{\@RTLfalse%
8232 \unvbox\@mpfootinsv\@r
8233 \def\baselinestretch{\m@m@footnote@spacing}%
8234 \reset@font\LTRfoottextfont
8235 \hsize\columnwidth \@parboxrestore
8236 \if@RTLColumFootnotes\beginL\fi
8237 \protected@edef\@currentlabel{%
8238 \csname p@mpfootnote\endcsname\@thefnmark}%
8239 \color@begingroup
8240 \@eightcolLTRfootfmt{#1}%
8241 \color@endgroup}%
8242 \m@m@mmf@prepare}
8243 \bidi@ensure@newcommand{\@mpeightcolRTLfootnotetext}[1]{%
8244 \global\setbox\@mpfootinsv\@vbox{\@RTLtrue%
8245 \unvbox\@mpfootinsv\@r
8246 \def\baselinestretch{\m@m@footnote@spacing}%
8247 \reset@font\RTLfoottextfont
8248 \hsize\columnwidth \@parboxrestore
8249 \protected@edef\@currentlabel{%
8250 \csname p@mpfootnote\endcsname\@thefnmark}%
8251 \color@begingroup
8252 \@eightcolRTLfootfmt{#1}%
8253 \color@endgroup}%
8254 \m@m@mmf@prepare}
8255 \bidi@ensure@newcommand{\eightcolumnfootstyle}[1]{%
8256 \m@make@eightcolfootnotetext{#1}%

```



```

8257 \m@make@mpheightcolfootnotetext{#1}%
8258 \m@make@eightcolfootfmt{#1}%
8259 \m@make@eightcol@footgroup{#1}%
8260 \m@make@mpheightcol@footgroup{#1}%
8261 \m@make@footstart{#1}%
8262 \bidi@namelongdef{@footnotetext#1}##1{%
8263     \@nameuse{@eightcolfootnotetext#1}{##1}}%
8264 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8265     \@nameuse{@mpheightcolfootnotetext#1}{##1}}%
8266 \@namedef{@footgroup#1}{\@nameuse{@eightcol@footgroup#1}}%
8267 \@namedef{@mp@footgroup#1}{\@nameuse{@mpheightcol@footgroup#1}}%
8268 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8269 \expandafter\count\csname footins#1\endcsname=500\relax}
8270 \bidi@ensure@newcommand{\m@make@eightcolfootnotetext}[1]{%
8271     \bidi@namelongdef{@eightcolfootnotetext#1}##1{%
8272         \insert\@nameuse{footins#1}{%
8273             \def\baselinestretch{\m@m@footnote@spacing}%
8274             \reset@font\@nameuse{foottextfont#1}%
8275             \@preamfntext
8276             \protected@edef\@currentlabel{%
8277                 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8278             \color@begingroup
8279                 \@nameuse{@eightcolfootfmt#1}{##1}%
8280             \color@endgroup}%
8281             \m@mmf@prepare}}
8282 \bidi@ensure@newcommand{\m@make@mpheightcolfootnotetext}[1]{%
8283     \bidi@namelongdef{@mpheightcolfootnotetext#1}##1{%
8284         \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8285             \unvbox\@nameuse{@mpfootins#1}
8286             \def\baselinestretch{\m@m@footnote@spacing}%
8287             \reset@font\@nameuse{foottextfont#1}%
8288             \hsize\columnwidth \@parboxrestore
8289             \protected@edef\@currentlabel{%
8290                 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8291             \color@begingroup
8292                 \@nameuse{@eightcolfootfmt#1}{##1}%
8293             \color@endgroup}\m@mmf@prepare}}
8294 \bidi@ensure@newcommand{\m@make@eightcolfootfmt}[1]{%
8295     \@namedef{@eightcolfootfmt#1}##1{%
8296         \@preameightfmt
8297         {\@nameuse{footfootmark#1}\strut
8298         {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8299 \bidi@ensure@newcommand{\m@make@eightcol@footgroup}[1]{%
8300     \@namedef{@eightcol@footgroup#1}{%
8301         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8302         \m@mrigidbalance{\@nameuse{footins#1}}{8}{\splittopskip}}}%
8303 \bidi@ensure@newcommand{\m@make@mpheightcol@footgroup}[1]{%
8304     \@namedef{@mpheightcol@footgroup#1}{%
8305         \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8306         \m@mrigidbalance{\@nameuse{@mpfootins#1}}{8}{\splittopskip}}}%

```



```

8307 \bidi@ensure@newcommand{\ninecolumnfootnotes}{%
8308   \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8309   \let\@footnotetext\@ninecolfootnotetext
8310   \let\@LTRfootnotetext\@ninecolLTRfootnotetext
8311   \let\@RTLfootnotetext\@ninecolRTLfootnotetext
8312   \dimen\footinsv@r=9\footinsdim
8313   \count\footinsv@r=111\relax
8314   \m@make@ninecol@footgroup{v@r}%
8315   \let\@footgroupv@r\@ninecol@footgroupv@r
8316   \let\@mpfootnotetext\@mpninecolfootnotetext
8317   \let\@mpLTRfootnotetext\@mpninecolLTRfootnotetext
8318   \let\@mpRTLfootnotetext\@mpninecolRTLfootnotetext
8319   \m@make@mpninecol@footgroup{v@r}%
8320   \let\mp@footgroupv@r\@mpninecol@footgroupv@r}
8321 \bidi@ensure@newcommand{\@ninecolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue%
8322   \def\baselinestretch{\m@m@footnote@spacing}%
8323   \reset@font\foottextfont
8324   \@preamfntext
8325   \protected@edef\@currentlabel{%
8326     \csname p@footnote\endcsname\@thefnmark}%
8327   \color@begingroup
8328     \@ninecolfootfmt{#1}%
8329   \color@endgroup}%
8330   \m@m@mmf@prepare}
8331 \bidi@ensure@newcommand{\@ninecolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes%
8332   \def\baselinestretch{\m@m@footnote@spacing}%
8333   \reset@font\LTRfoottextfont
8334   \@preamfntext
8335   \protected@edef\@currentlabel{%
8336     \csname p@footnote\endcsname\@thefnmark}%
8337   \color@begingroup
8338     \@ninecolLTRfootfmt{#1}%
8339   \color@endgroup}%
8340   \m@m@mmf@prepare}
8341 \bidi@ensure@newcommand{\@ninecolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8342   \def\baselinestretch{\m@m@footnote@spacing}%
8343   \reset@font\RTLfoottextfont
8344   \@preamfntext
8345   \protected@edef\@currentlabel{%
8346     \csname p@footnote\endcsname\@thefnmark}%
8347   \color@begingroup
8348     \@ninecolRTLfootfmt{#1}%
8349   \color@endgroup}%
8350   \m@m@mmf@prepare}
8351 \bidi@ensure@newcommand{\@preamninefmt}{%
8352   \hsize .1\hsize
8353   \parindent=\z@
8354   \tolerance=5000\relax
8355   \leavevmode}
8356 \bidi@ensure@newcommand{\@ninecolfootfmt}[1]{%

```



```

8357 \@preamninefmt
8358 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8359 \bidi@ensure@newcommand{\@ninecolLTRfootfmt}[1]{%
8360 \@preamninefmt
8361 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8362 \bidi@ensure@newcommand{\@ninecolRTLfootfmt}[1]{%
8363 \@preamninefmt
8364 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8365 \bidi@ensure@newcommand{\@mpninecolfootnotetext}[1]{%
8366 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8367 \unvbox\@mpfootinsv@r
8368 \def\baselinestretch{\m@m@footnote@spacing}%
8369 \reset@font\foottextfont
8370 \hsize\columnwidth \@parboxrestore
8371 \protected@edef\@currentlabel{%
8372 \csname p@mpfootnote\endcsname\@thefnmark}%
8373 \color@begingroup
8374 \@ninecolfootfmt{#1}%
8375 \color@endgroup}%
8376 \m@m@mmf@prepare}
8377 \bidi@ensure@newcommand{\@mpninecolLTRfootnotetext}[1]{%
8378 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8379 \unvbox\@mpfootinsv@r
8380 \def\baselinestretch{\m@m@footnote@spacing}%
8381 \reset@font\LTRfoottextfont
8382 \hsize\columnwidth \@parboxrestore
8383 \if@RTLcolumnfootnotes\beginL\fi
8384 \protected@edef\@currentlabel{%
8385 \csname p@mpfootnote\endcsname\@thefnmark}%
8386 \color@begingroup
8387 \@ninecolLTRfootfmt{#1}%
8388 \color@endgroup}%
8389 \m@m@mmf@prepare}
8390 \bidi@ensure@newcommand{\@mpninecolRTLfootnotetext}[1]{%
8391 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8392 \unvbox\@mpfootinsv@r
8393 \def\baselinestretch{\m@m@footnote@spacing}%
8394 \reset@font\RTLfoottextfont
8395 \hsize\columnwidth \@parboxrestore
8396 \protected@edef\@currentlabel{%
8397 \csname p@mpfootnote\endcsname\@thefnmark}%
8398 \color@begingroup
8399 \@ninecolRTLfootfmt{#1}%
8400 \color@endgroup}%
8401 \m@m@mmf@prepare}
8402 \bidi@ensure@newcommand{\@ninecolumnfootstyle}[1]{%
8403 \m@make@ninecolfootnotetext{#1}%
8404 \m@make@mpninecolfootnotetext{#1}%
8405 \m@make@ninecolfootfmt{#1}%
8406 \m@make@ninecol@footgroup{#1}%

```



```

8407 \m@make@mpninecol@footgroup{#1}%
8408 \m@make@footstart{#1}%
8409 \bidi@namelongdef{@footnotetext#1}##1{%
8410 \@nameuse{@ninecolfootnotetext#1}{##1}}%
8411 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8412 \@nameuse{@mpninecolfootnotetext#1}{##1}}%
8413 \@namedef{@footgroup#1}{\@nameuse{@ninecol@footgroup#1}}%
8414 \@namedef{@mp@footgroup#1}{\@nameuse{@mpninecol@footgroup#1}}%
8415 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8416 \expandafter\count\csname footins#1\endcsname=500\relax}
8417 \bidi@ensure@newcommand{\m@make@ninecolfootnotetext}[1]{%
8418 \bidi@namelongdef{@ninecolfootnotetext#1}##1{%
8419 \insert\@nameuse{footins#1}{%
8420 \def\baselinestretch{\m@m@footnote@spacing}%
8421 \reset@font\@nameuse{foottextfont#1}%
8422 \@preamfntext
8423 \protected@edef\@currentlabel{%
8424 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8425 \color@begingroup
8426 \@nameuse{@ninecolfootfmt#1}{##1}%
8427 \color@endgroup}%
8428 \m@mmf@prepare}}
8429 \bidi@ensure@newcommand{\m@make@mpninecolfootnotetext}[1]{%
8430 \bidi@namelongdef{@mpninecolfootnotetext#1}##1{%
8431 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8432 \unvbox\@nameuse{@mpfootins#1}
8433 \def\baselinestretch{\m@m@footnote@spacing}%
8434 \reset@font\@nameuse{foottextfont#1}%
8435 \hsize\columnwidth \@parboxrestore
8436 \protected@edef\@currentlabel{%
8437 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8438 \color@begingroup
8439 \@nameuse{@ninecolfootfmt#1}{##1}%
8440 \color@endgroup}\m@mmf@prepare}}
8441 \bidi@ensure@newcommand{\m@make@ninecolfootfmt}[1]{%
8442 \@namedef{@ninecolfootfmt#1}##1{%
8443 \@preamninefmt
8444 {\@nameuse{footfootmark#1}\strut
8445 {\@nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8446 \bidi@ensure@newcommand{\m@make@ninecol@footgroup}[1]{%
8447 \@namedef{@ninecol@footgroup#1}{%
8448 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8449 \m@r@rigidbalance{\@nameuse{footins#1}}{9}{\splittopskip}}}%
8450 \bidi@ensure@newcommand{\m@make@mpninecol@footgroup}[1]{%
8451 \@namedef{@mpninecol@footgroup#1}{%
8452 \@nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8453 \m@r@rigidbalance{\@nameuse{@mpfootins#1}}{9}{\splittopskip}}}%
8454 \bidi@ensure@newcommand{\tencolumnfootnotes}{%
8455 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8456 \let\@footnotetext\@tencolfootnotetext

```




```

8457 \let\@LTRfootnotetext\@tencolLTRfootnotetext
8458 \let\@RTLfootnotetext\@tencolRTLfootnotetext
8459 \dimen\footinsv@r=10\footinsdim
8460 \count\footinsv@r=100\relax
8461 \m@make@tencol@footgroup{v@r}%
8462 \let\@footgroupv@r\@tencol@footgroupv@r
8463 \let\@mpfootnotetext\@mptencolfootnotetext
8464 \let\@mpLTRfootnotetext\@mptencolLTRfootnotetext
8465 \let\@mpRTLfootnotetext\@mptencolRTLfootnotetext
8466 \m@make@mptencol@footgroup{v@r}%
8467 \let\mp@footgroupv@r\@mptencol@footgroupv@r
8468 \bidi@ensure@newcommand{\@tencolfootnotetext}[1]{\insert\footinsv@r{\if@RTL@footnote\@RTLtrue\
8469 \def\baselinestretch{\m@m@footnote@spacing}%
8470 \reset@font\foottextfont
8471 \@preamfntext
8472 \protected@edef\@currentlabel{%
8473 \csname p@footnote\endcsname\@thefnmark}%
8474 \color@begingroup
8475 \@tencolfootfmt{#1}%
8476 \color@endgroup}%
8477 \m@m@mmf@prepare}
8478 \bidi@ensure@newcommand{\@tencolLTRfootnotetext}[1]{\insert\footinsv@r{\if@RTLcolumnfootnotes\
8479 \def\baselinestretch{\m@m@footnote@spacing}%
8480 \reset@font\LTRfoottextfont
8481 \@preamfntext
8482 \protected@edef\@currentlabel{%
8483 \csname p@footnote\endcsname\@thefnmark}%
8484 \color@begingroup
8485 \@tencolLTRfootfmt{#1}%
8486 \color@endgroup}%
8487 \m@m@mmf@prepare}
8488 \bidi@ensure@newcommand{\@tencolRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLtrue%
8489 \def\baselinestretch{\m@m@footnote@spacing}%
8490 \reset@font\RTLfoottextfont
8491 \@preamfntext
8492 \protected@edef\@currentlabel{%
8493 \csname p@footnote\endcsname\@thefnmark}%
8494 \color@begingroup
8495 \@tencolRTLfootfmt{#1}%
8496 \color@endgroup}%
8497 \m@m@mmf@prepare}
8498 \bidi@ensure@newcommand{\@preamtenfmt}{%
8499 \hspace{.1\hspace}
8500 \parindent=\z@
8501 \tolerance=5000\relax
8502 \leavevmode}
8503 \bidi@ensure@newcommand{\@tencolfootfmt}[1]{%
8504 \@preamtenfmt
8505 {\footfootmark\strut {\foottextfont #1}\strut\par}\allowbreak}
8506 \bidi@ensure@newcommand{\@tencolLTRfootfmt}[1]{%

```



```

8507 \preamtenfmt
8508 {\footfootmark\strut {\LTRfoottextfont #1}\strut\par}\allowbreak}
8509 \bidi@ensure@newcommand{\@tencolRTLfootfmt}[1]{%
8510 \preamtenfmt
8511 {\footfootmark\strut {\RTLfoottextfont #1}\strut\par}\allowbreak}
8512 \bidi@ensure@newcommand{\@mptencolfootnotetext}[1]{%
8513 \global\setbox\@mpfootinsv@r\vbox{\if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
8514 \unvbox\@mpfootinsv@r
8515 \def\baselinestretch{\m@m@footnote@spacing}%
8516 \reset@font\foottextfont
8517 \hsize\columnwidth \@parboxrestore
8518 \protected@edef\@currentlabel{%
8519 \csname p@mpfootnote\endcsname\@thefnmark}%
8520 \color@begingroup
8521 \@tencolfootfmt{#1}%
8522 \color@endgroup}%
8523 \m@m@prepare}
8524 \bidi@ensure@newcommand{\@mptencolLTRfootnotetext}[1]{%
8525 \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8526 \unvbox\@mpfootinsv@r
8527 \def\baselinestretch{\m@m@footnote@spacing}%
8528 \reset@font\LTRfoottextfont
8529 \hsize\columnwidth \@parboxrestore
8530 \if@RTLcolumnfootnotes\beginL\fi
8531 \protected@edef\@currentlabel{%
8532 \csname p@mpfootnote\endcsname\@thefnmark}%
8533 \color@begingroup
8534 \@tencolLTRfootfmt{#1}%
8535 \color@endgroup}%
8536 \m@m@prepare}
8537 \bidi@ensure@newcommand{\@mptencolRTLfootnotetext}[1]{%
8538 \global\setbox\@mpfootinsv@r\vbox{\@RTLtrue%
8539 \unvbox\@mpfootinsv@r
8540 \def\baselinestretch{\m@m@footnote@spacing}%
8541 \reset@font\RTLfoottextfont
8542 \hsize\columnwidth \@parboxrestore
8543 \protected@edef\@currentlabel{%
8544 \csname p@mpfootnote\endcsname\@thefnmark}%
8545 \color@begingroup
8546 \@tencolRTLfootfmt{#1}%
8547 \color@endgroup}%
8548 \m@m@prepare}
8549 \bidi@ensure@newcommand{\tencolumnfootstyle}[1]{%
8550 \m@make@tencolfootnotetext{#1}%
8551 \m@make@mptencolfootnotetext{#1}%
8552 \m@make@tencolfootfmt{#1}%
8553 \m@make@tencol@footgroup{#1}%
8554 \m@make@mptencol@footgroup{#1}%
8555 \m@make@footstart{#1}%
8556 \bidi@namelongdef{\@footnotetext#1}##1%

```



```

8557 \nameuse{@tencolfootnotetext#1}{##1}}%
8558 \bidi@namelongdef{@mpfootnotetext#1}##1{%
8559 \nameuse{@mptencolfootnotetext#1}{##1}}%
8560 \@namedef{@footgroup#1}{\nameuse{@tencol@footgroup#1}}%
8561 \@namedef{@mp@footgroup#1}{\nameuse{@mptencol@footgroup#1}}%
8562 \expandafter\dimen\csname footins#1\endcsname=2\footinsdim
8563 \expandafter\count\csname footins#1\endcsname=500\relax}
8564 \bidi@ensure@newcommand{\m@make@tencolfootnotetext}[1]{%
8565 \bidi@namelongdef{@tencolfootnotetext#1}##1{%
8566 \insert\nameuse{footins#1}{%
8567 \def\baselinestretch{\m@m@footnote@spacing}%
8568 \reset@font\nameuse{foottextfont#1}}%
8569 \preamfntext
8570 \protected@edef\currentlabel{%
8571 \csname p@footnote#1\endcsname \nameuse{@thefnmark#1}}%
8572 \color@begingroup
8573 \nameuse{@tencolfootfmt#1}{##1}%
8574 \color@endgroup}%
8575 \m@mmf@prepare}}
8576 \bidi@ensure@newcommand{\m@make@mptencolfootnotetext}[1]{%
8577 \bidi@namelongdef{@mptencolfootnotetext#1}##1{%
8578 \global\setbox\nameuse{@mpfootins#1}\vbox{%
8579 \unvbox\nameuse{@mpfootins#1}
8580 \def\baselinestretch{\m@m@footnote@spacing}%
8581 \reset@font\nameuse{foottextfont#1}}%
8582 \hsize\columnwidth \parboxrestore
8583 \protected@edef\currentlabel{%
8584 \csname p@mpfootnote#1\endcsname\nameuse{@thefnmark#1}}%
8585 \color@begingroup
8586 \nameuse{@tencolfootfmt#1}{##1}%
8587 \color@endgroup}\m@mmf@prepare}}
8588 \bidi@ensure@newcommand{\m@make@tencolfootfmt}[1]{%
8589 \@namedef{@tencolfootfmt#1}##1{%
8590 \@preamtenfmt
8591 {\nameuse{footfootmark#1}\strut
8592 {\nameuse{foottextfont#1}##1}\strut\par}\allowbreak}}
8593 \bidi@ensure@newcommand{\m@make@tencol@footgroup}[1]{%
8594 \@namedef{@tencol@footgroup#1}{%
8595 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8596 \m@mrigidbodybalance{\nameuse{footins#1}}{10}{\splittopskip}}}%
8597 \bidi@ensure@newcommand{\m@make@mptencol@footgroup}[1]{%
8598 \@namedef{@mptencol@footgroup#1}{%
8599 \nameuse{foottextfont#1} \splittopskip=\ht\strutbox
8600 \m@mrigidbodybalance{\nameuse{@mpfootins#1}}{10}{\splittopskip}}}%
8601 \bidi@ensure@newcommand{\m@munvxh}[1]{%
8602 \setbox0=\vbox{\unvbox#1}
8603 \global\setbox1=\lastbox}%
8604 \unhbox1
8605 \unskip
8606 \unskip

```



```

8607 \unpenalty
8608 \hskip\m@mipn@skip}
8609 \bidi@ensure@newcommand{\m@mungebox}{%
8610 \setbox0=\hbox{\m@munvxh0}%
8611 \dp0=\z@
8612 \ht0=\footfudgefactor\wd0
8613 \box0
8614 \penalty0}
8615 \newskip\m@mipn@skip
8616 \bidi@ensure@newcommand*{\m@minterparanoteglue}[1]{%
8617 {\foottextfont\global\m@mipn@skip=#1\relax}}
8618 \m@minterparanoteglue{1em plus.4em minus.4em}
8619 \@ifpackageloaded{multicol}{%
8620 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
8621 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
8622 \hsize\textwidth%
8623 \setbox0=\hbox{}}%
8624 \loop
8625 \unpenalty
8626 \setbox2=\lastbox
8627 \ifhbox2
8628 \setbox0=\hbox{\box2\unhbox0}
8629 \repeat}
8630 }{%
8631 \bidi@ensure@newcommand*{\m@mmakehboxofhboxes}{%
8632 \if@parafootRTL\@RTLtrue\else\@RTLfalse\fi%
8633 \setbox0=\hbox{}}%
8634 \loop
8635 \unpenalty
8636 \setbox2=\lastbox
8637 \ifhbox2
8638 \setbox0=\hbox{\box2\unhbox0}
8639 \repeat}}
8640 \bidi@ensure@newcommand*{\m@mremovehboxes}{\setbox0=\lastbox
8641 \ifhbox0{\m@mremovehboxes}\unhbox0 \fi}
8642 \bidi@ensure@newcommand*{\footfudgefiddle}{64}
8643 \bidi@ensure@newcommand{\paragraphfootnotes}{%
8644 \@namedef{foottextfontv@r}{\foottextfont}% % [RS]
8645 \let\@footnotetext\@parafootnotetext
8646 \let\@LTRfootnotetext\@paraLTRfootnotetext
8647 \let\@RTLfootnotetext\@paraRTLfootnotetext
8648 \dimen\footinsv@r=\footinsdim
8649 \count\footinsv@r=1000\relax
8650 \m@make@para@footgroup{v@r}%
8651 \let\@footgroupv@r\@para@footgroupv@r
8652 \let\@mpfootnotetext\@mpparafootnotetext
8653 \let\@mpLTRfootnotetext\@mpparaLTRfootnotetext
8654 \let\@mpRTLfootnotetext\@mpparaRTLfootnotetext
8655 \m@make@mppara@footgroup{v@r}%
8656 \let\mp@footgroupv@r\@mppara@footgroupv@r

```



```

8657 {\foottextfont
8658 \dimen0=\baselineskip
8659 \multiply\dimen0 by 1024
8660 \divide\dimen0 by \hsize \multiply\dimen0 by \footfudgefiddle
8661 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}}
8662 \bidi@ensure@newcommand{\@parafootnotetext}[1]{\insert\footinsv@r{\@RTLfalse
8663 \def\baselinestretch{\m@m@footnote@spacing}%
8664 \reset@font\foottextfont
8665 \@preamfntext
8666 \protected@edef\@currentlabel{%
8667 \csname p@footnote\endcsname\@thefnmark}%
8668 \setbox0=\vbox{\hsize=\maxdimen
8669 \color@begingroup
8670 \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
8671 \color@endgroup}%
8672 \m@mungebox}\m@mmf@prepare}
8673 \bidi@ensure@newcommand{\@paraLTRfootnotetext}[1]{\insert\footinsv@r{\@RTLfalse
8674 \def\baselinestretch{\m@m@footnote@spacing}%
8675 \reset@font\LTRfoottextfont
8676 \@preamfntext
8677 \protected@edef\@currentlabel{%
8678 \csname p@footnote\endcsname\@thefnmark}%
8679 \setbox0=\vbox{\hsize=\maxdimen
8680 \color@begingroup
8681 \noindent \@paraLTRfootfmt{\beginL#1\endL}%
8682 \color@endgroup}%
8683 \m@mungebox}\m@mmf@prepare}
8684 \bidi@ensure@newcommand{\@paraRTLfootnotetext}[1]{\insert\footinsv@r{\@RTLfalse
8685 \def\baselinestretch{\m@m@footnote@spacing}%
8686 \reset@font\RTLfoottextfont
8687 \@preamfntext
8688 \protected@edef\@currentlabel{%
8689 \csname p@footnote\endcsname\@thefnmark}%
8690 \setbox0=\vbox{\hsize=\maxdimen
8691 \color@begingroup
8692 \noindent \@paraRTLfootfmt{\beginR#1\endR}%
8693 \color@endgroup}%
8694 \m@mungebox}\m@mmf@prepare}
8695 \bidi@ensure@newcommand{\@parafootfmt}[1]{%
8696 \parindent=\z@
8697 \parfillskip=0pt \@plus 1fil
8698 {\footfootmark\strut {\foottextfont #1}\penalty-10}}
8699 \bidi@ensure@newcommand{\@paraLTRfootfmt}[1]{%
8700 \parindent=\z@
8701 \parfillskip=0pt \@plus 1fil
8702 {\footfootmark\strut {\LTRfoottextfont #1}\penalty-10}}
8703 \bidi@ensure@newcommand{\@paraRTLfootfmt}[1]{%
8704 \parindent=\z@
8705 \parfillskip=0pt \@plus 1fil
8706 {\footfootmark\strut {\RTLfoottextfont #1}\penalty-10}}

```



```

8707 \bidi@ensure@newcommand{\@mpparafootnotetext}[1]{%
8708   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8709     \unvbox\@mpfootinsv@r
8710     \def\baselinestretch{\m@m@footnote@spacing}%
8711     \reset@font\foottextfont
8712     \hsize\columnwidth \@parboxrestore
8713     \protected@edef\@currentlabel{%
8714       \csname p@mpfootnote\endcsname\@thefnmark}%
8715     \setbox0=\vbox{\hsize=\maxdimen
8716       \color@begingroup
8717       \noindent \@parafootfmt{\if@RTL@footnote\beginR\else\beginL\fi#1\if@RTL@footnote\endR\else
8718       \color@endgroup}}%
8719     \m@mungebox}\m@mmf@prepare}
8720 \bidi@ensure@newcommand{\@mpparaLTRfootnotetext}[1]{%
8721   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8722     \unvbox\@mpfootinsv@r
8723     \def\baselinestretch{\m@m@footnote@spacing}%
8724     \reset@font\LTRfoottextfont
8725     \hsize\columnwidth \@parboxrestore
8726     \protected@edef\@currentlabel{%
8727       \csname p@mpfootnote\endcsname\@thefnmark}%
8728     \setbox0=\vbox{\hsize=\maxdimen
8729       \color@begingroup
8730       \noindent \@paraLTRfootfmt{\beginL#1\endL}%
8731       \color@endgroup}}%
8732   \m@mungebox}\m@mmf@prepare}
8733 \bidi@ensure@newcommand{\@mpparaRTLfootnotetext}[1]{%
8734   \global\setbox\@mpfootinsv@r\vbox{\@RTLfalse%
8735     \unvbox\@mpfootinsv@r
8736     \def\baselinestretch{\m@m@footnote@spacing}%
8737     \reset@font\RTLfoottextfont
8738     \hsize\columnwidth \@parboxrestore
8739     \protected@edef\@currentlabel{%
8740       \csname p@mpfootnote\endcsname\@thefnmark}%
8741     \setbox0=\vbox{\hsize=\maxdimen
8742       \color@begingroup
8743       \noindent \@paraRTLfootfmt{\beginR#1\endR}%
8744       \color@endgroup}}%
8745   \m@mungebox}\m@mmf@prepare}
8746 \bidi@ensure@newcommand{\paragraphfootstyle}[1]{%
8747   \m@make@parafootnotetext{#1}%
8748   \m@make@mpparafootnotetext{#1}%
8749   \m@make@parafootfmt{#1}%
8750   \m@make@para@footgroup{#1}%
8751   \m@make@mppara@footgroup{#1}%
8752   \m@make@para@footstart{#1}%
8753   \bidi@namelongdef{\@footnotetext#1}##1{%
8754     \@nameuse{\@parafootnotetext#1}{##1}}%
8755   \bidi@namelongdef{\@mpfootnotetext#1}##1{%
8756     \@nameuse{\@mpparafootnotetext#1}{##1}}%

```



```

8757 \namedef{@footgroup#1}{\@nameuse{@para@footgroup#1}}%
8758 \namedef{mp@footgroup#1}{\@nameuse{@mppara@footgroup#1}}%
8759 \namedef{@footstart#1}{\@nameuse{@para@footstart#1}}%
8760 \expandafter\dimen\csname footins#1\endcsname=\footinsdim
8761 \expandafter\count\csname footins#1\endcsname=1000\relax
8762 {\@nameuse{foottextfont#1}}%
8763 \dimen0=\baselineskip
8764 \multiply\dimen0 by 1024
8765 \divide\dimen0 by \hsize \multiply\dimen0 by 64
8766 \xdef\footfudgefactor{\expandafter\strip@pt\dimen0 }}
8767 \bidi@ensure@newcommand{\m@make@parafootnotetext}[1]{%
8768 \bidi@namelongdef{@parafootnotetext#1}##1{%
8769 \insert\@nameuse{footins#1}{
8770 \def\baselinestretch{\m@m@footnote@spacing}%
8771 \reset@font\@nameuse{foottextfont#1}}%
8772 \@preamfntext
8773 \protected@edef\@currentlabel{%
8774 \csname p@footnote#1\endcsname \@nameuse{@thefnmark#1}}%
8775 \setbox0=\vbox{\hsize=\maxdimen
8776 \color@begingroup
8777 \noindent \@nameuse{@parafootfmt#1}{##1}%
8778 \color@endgroup}%
8779 \m@mungebox}\m@mmf@prepare}}
8780 \bidi@ensure@newcommand{\m@make@mpparafootnotetext}[1]{%
8781 \bidi@namelongdef{@mpparafootnotetext#1}##1{%
8782 \global\setbox\@nameuse{@mpfootins#1}\vbox{%
8783 \unvbox\@nameuse{@mpfootins#1}
8784 \def\baselinestretch{\m@m@footnote@spacing}%
8785 \reset@font\@nameuse{foottextfont#1}}%
8786 \hsize\columnwidth \@parboxrestore
8787 \protected@edef\@currentlabel{%
8788 \csname p@mpfootnote#1\endcsname\@nameuse{@thefnmark#1}}%
8789 \setbox0=\vbox{\hsize=\maxdimen
8790 \color@begingroup
8791 \noindent \@nameuse{@parafootfmt#1}{##1}%
8792 \color@endgroup}%
8793 \m@mungebox}\m@mmf@prepare}}
8794 \bidi@ensure@newcommand{\m@make@parafootfmt}[1]{%
8795 \bidi@namelongdef{@parafootfmt#1}##1{%
8796 \parindent=\z@
8797 \parfillskip=0pt \@plus 1fil
8798 {\@nameuse{footfootmark#1}\strut
8799 {\@nameuse{foottextfont#1}##1}\penalty-10}}}
8800 \bidi@ensure@newcommand{\m@make@para@footgroup}[1]{%
8801 \namedef{@para@footgroup#1}{%
8802 \unvbox\@nameuse{footins#1}
8803 \m@mmakehboxofhboxes
8804 \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
8805 \@nameuse{foottextfont#1}}%
8806 \noindent\unhbox0\par}}

```



```

8807 \bidi@ensure@newcommand{\m@make@mppara@footgroup}[1]{%
8808 \@namedef{@mppara@footgroup#1}{%
8809   \unvbox\@nameuse{@mpfootins#1}
8810   \m@mmakehboxofhboxes
8811   \setbox0=\hbox{\unhbox0 \m@mremovehboxes}%
8812   \@nameuse{foottextfont#1}%
8813   \noindent\unhbox0\par}}
8814 \bidi@ensure@newcommand{\m@make@para@footstart}[1]{%
8815 \@namedef{@para@footstart#1}{%
8816   \vskip\bigskipamount
8817   \leftskip=\z@
8818   \rightskip=\z@
8819   \parindent=\z@
8820   \vskip\skip\@nameuse{footins#1}%
8821   \footnoterule}}
8822 \bidi@ensure@newcommand*\m@m@makecolfloats{%
8823   \xdef\@freelist{\@freelist\@midlist}%
8824   \global\let\@midlist\@empty
8825   \@combinefloats}
8826 \bidi@ensure@newcommand*\m@m@makecoltext{%
8827   \ifvbox\@kludgeins
8828     \@makespecialcolbox
8829   \else
8830     \setbox\@outputbox \vbox to\@colht{%
8831       \@texttop
8832       \dimen@ \dp\@outputbox
8833       \unvbox \@outputbox
8834       \vskip -\dimen@
8835       \@textbottom}%
8836   \fi}
8837 \bidi@ensure@newcommand*\m@m@makecolintro{}
8838 \bidi@ensure@newcommand*\m@m@nopfootnote{\setbox\@outputbox \vbox{%
8839   \boxmaxdepth\@maxdepth
8840   \@tempdima\dp\@cclv
8841   \unvbox\@cclv
8842   \vskip-\@tempdima
8843   \vskip \skip\footins
8844   \color@begingroup
8845     \normalcolor
8846     \footnoterule
8847     \unvbox \footins
8848   \color@endgroup}}
8849 \bidi@ensure@newcommand*\m@m@opsidebar{%
8850   \ifvoid\sideins\else
8851     \setbox\@outputbox \vbox{%
8852       \sidecontents
8853       \unvbox\@outputbox}
8854   \fi}
8855 \gdef\mem@makecol{%
8856   \m@m@makecolintro

```




```

8857 \ifvoid\footins
8858   \setbox\@outputbox \box\@cclv
8859 \else
8860   \m@mopfootnote
8861 \fi
8862 \m@mndoextrafeet
8863 \m@m@makecolfloats
8864 \m@mopsidebar
8865 \m@m@makecoltext
8866 \global \maxdepth \@maxdepth}
8867 \bidi@ensure@newcommand{\feetabovelfloat}{\gdef\@makecol{\mem@makecol}}
8868 \feetabovelfloat%

```

7.54 extreport-xetex-bidi.def

```

8869 \ProvidesFile{extreport-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for extreport class for
8870 \renewcommand*\l@part[2]{%
8871   \ifnum \c@tocdepth >-2\relax
8872     \addpenalty{-\@highpenalty}%
8873     \addvspace{2.25em \@plus\p@}%
8874     \begingroup
8875       \setlength\@tempdima{3em}%
8876       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8877       \parfillskip -\@pnumwidth
8878       {\leavevmode
8879         \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
8880       \nobreak
8881       \global\@nobreaktrue
8882       \everypar{\global\@nobreakfalse\everypar{}}%
8883     \endgroup
8884   \fi}
8885 \renewcommand*\l@chapter[2]{%
8886   \ifnum \c@tocdepth >\m@ne
8887     \addpenalty{-\@highpenalty}%
8888     \vskip 1.0em \@plus\p@
8889     \setlength\@tempdima{1.5em}%
8890     \begingroup
8891       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
8892       \parfillskip -\@pnumwidth
8893       \leavevmode \bfseries
8894       \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
8895       \hskip -\if@RTL\rightskip\else\leftskip\fi
8896       #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
8897       \penalty\@highpenalty
8898     \endgroup
8899   \fi}
8900 \def\@makechapterhead#1{%
8901   \vspace*{50\p@}%
8902   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
8903     \ifnum \c@secnumdepth >\m@ne

```



```

8904      \huge\bfseries \@chapapp\space \thechapter
8905      \par\nobreak
8906      \vskip 20\p@
8907      \fi
8908      \interlinepenalty\@M
8909      \Huge \bfseries #1\par\nobreak
8910      \vskip 40\p@
8911  }}
8912 \def\@makeschapterhead#1{%
8913   \vspace*{50\p@}%
8914   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
8915    \normalfont
8916    \interlinepenalty\@M
8917    \Huge \bfseries #1\par\nobreak
8918    \vskip 40\p@
8919   }}
8920 \renewcommand\left@footnoterule{%
8921   \kern-3\p@
8922   \hrule\@width.4\columnwidth
8923   \kern2.6\p@}
8924 \renewcommand\right@footnoterule{%
8925   \hbox to \columnwidth
8926   {\beginR \vbox{%
8927     \kern-3\p@
8928     \hrule\@width.4\columnwidth
8929     \kern2.6\p@}\hfil\endR}}
8930 \renewenvironment{thebibliography}[1]
8931   {\chapter*{\bibname
8932     \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}}%
8933   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
8934     \list{\@biblabel{\@arabic\c@enumiv}}%
8935       {\settowidth\labelwidth{\@biblabel{#1}}%
8936        \leftmargin\labelwidth
8937        \advance\leftmargin\labelsep
8938        \@openbib@code
8939        \usecounter{enumiv}%
8940        \let\p@enumiv\@empty
8941        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
8942     \sloppy\clubpenalty4000\widowpenalty4000%
8943     \sfcode`\.\@m}
8944   {\def\@noitemerr
8945     {\@latex@warning{Empty `thebibliography' environment}}%
8946     \endlist}
8947   \if@titlepage
8948   \renewcommand\maketitle{\begin{titlepage}%
8949   \let\footnotesize\small
8950   \let\right@footnoterule\relax
8951   \let\left@footnoterule\relax
8952   \let\textwidth\footnoterule\relax
8953   \let \footnote \thanks

```



```

8954 \null\vfil
8955 \vskip 60\p@
8956 \begin{center}%
8957   {\LARGE \@title \par}%
8958   \vskip 3em%
8959   {\large
8960     \lineskip .75em%
8961     \begin{tabular}[t]{c}%
8962       \@author
8963     \end{tabular}\par}%
8964   \vskip 1.5em%
8965   {\large \@date \par}%      % Set date in \large size.
8966 \end{center}\par
8967 \@thanks
8968 \vfil\null
8969 \end{titlepage}%
8970 \setcounter{footnote}{0}%
8971 \global\let\thanks\relax
8972 \global\let\maketitle\relax
8973 \global\let\@thanks\@empty
8974 \global\let\@author\@empty
8975 \global\let\@date\@empty
8976 \global\let\@title\@empty
8977 \global\let\title\relax
8978 \global\let\author\relax
8979 \global\let\date\relax
8980 \global\let\and\relax
8981 }
8982 \else
8983 \renewcommand\maketitle{\par
8984   \begingroup
8985     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
8986     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
8987     \long\def\@makefntext##1{\parindent 1em\noindent
8988       \hb@xt@1.8em{%
8989         \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
8990     \if@twocolumn
8991       \ifnum \col@number=\@ne
8992         \@maketitle
8993       \else
8994         \twocolumn[\@maketitle]%
8995       \fi
8996     \else
8997       \newpage
8998       \global\@topnum\z@      % Prevents figures from going at top of page.
8999       \@maketitle
9000     \fi
9001     \thispagestyle{plain}\@thanks
9002   \endgroup
9003   \setcounter{footnote}{0}%

```



```

9004 \global\let\thanks\relax
9005 \global\let\maketitle\relax
9006 \global\let\@maketitle\relax
9007 \global\let\@thanks\@empty
9008 \global\let\@author\@empty
9009 \global\let\@date\@empty
9010 \global\let\@title\@empty
9011 \global\let\title\relax
9012 \global\let\author\relax
9013 \global\let\date\relax
9014 \global\let\and\relax
9015 }
9016 \def\@maketitle{%
9017   \newpage
9018   \null
9019   \vskip 2em%
9020   \begin{center}%
9021     \let \footnote \thanks
9022     {\LARGE \@title \par}%
9023     \vskip 1.5em%
9024     {\large
9025       \lineskip .5em%
9026       \begin{tabular}[t]{c}%
9027         \@author
9028       \end{tabular}\par}%
9029     \vskip 1em%
9030     {\large \@date}%
9031   \end{center}%
9032   \par
9033   \vskip 1.5em}
9034 \fi
9035 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
9036 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9037 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9038 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9039 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
9040 \renewcommand\theequation{%
9041   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
9042 \renewcommand\thefigure{%
9043   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9044 \renewcommand\thetable{%
9045   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}

```

7.55 fancybox-xetex-bidi.def

```

9046 \ProvidesFile{fancybox-xetex-bidi.def}[2013/05/01 v0.1 bidi adaptations for fancybox package for
9047 \def\fancy@oval#1#2#3{%
9048   \boxmaxdepth \maxdimen
9049   \@ovttrue \@ovbtrue \@ovltrue \@ovrtrue
9050   \@tfor\@tempa :=#3\do{\csname @ov\@tempa false\endcsname}%

```



```

9051 \ovxx#1\relax
9052 \advance\ovxx-\@wholewidth
9053 \ovyy#2\relax
9054 \advance\ovyy-\@wholewidth
9055 \@tempdimb \ifdim \@ovyy >\ovxx \ovxx\else \ovyy \fi
9056 \advance\@tempdimb-2\p@
9057 \ifdim\@tempdimb>\the@cornersize\relax
9058 \@tempdimb=\the@cornersize
9059 \fi
9060 \@getcirc\@tempdimb
9061 \@ovro\ht\@tempboxa \ovri\dp\@tempboxa
9062 \@ovdx\ovxx \advance\ovdx-\@tempdima \divide\ovdx \tw@
9063 \@ovdy\ovyy \advance\ovdy-\@tempdima \divide\ovdy \tw@
9064 \circlefnt
9065 \setbox\@tempboxa\hbox{\beginL%
9066 \if@ovr \ovvert32\kern -\@tempdima \fi
9067 \if@ovl \kern \ovxx \ovvert01\kern -\@tempdima \kern -\ovxx \fi
9068 \if@ovt \ovhorz \kern -\ovxx \fi
9069 \if@ovb \raise \ovyy \ovhorz \fi\endL}%
9070 \advance\ovdx\@ovro
9071 \advance\ovdy\@ovro
9072 \advance\ovxx\@wholewidth
9073 \wd\@tempboxa=\ovxx
9074 \dp\@tempboxa=\z@}

```

7.56 fancyhdr-xetex-bidi.def

```

9075 \ProvidesFile{fancyhdr-xetex-bidi.def}[2012/04/18 v0.4 bidi adaptations for fancyhdr package for Xe
9076 \let\fnch@everypar\everypar%
9077 \def\@fancyhead#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hbox
9078 \@fancyvbox\headheight{\hbox
9079 {\rlap{\parbox[b]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if@RTLma
9080 \parbox[b]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else\
9081 \llap{\parbox[b]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLmai
9082 \def\@fancyfoot#1#2#3#4#5{\if@RTLmain\beginR\else\beginL\fi#1\if@RTLmain\endR\else\endL\fi\hbox
9083 \@fancyvbox\footskip{\footrule
9084 \hbox{\rlap{\parbox[t]{\headwidth}{\bidi@raggedright\if@RTLmain\beginR\else\beginL\fi#2\if
9085 \parbox[t]{\headwidth}{\centering\if@RTLmain\beginR\else\beginL\fi#3\if@RTLmain\endR\else
9086 \llap{\parbox[t]{\headwidth}{\bidi@raggedleft\if@RTLmain\beginR\else\beginL\fi#4\if@RTLma

```

7.57 fix2col-xetex-bidi.def

```

9087 \ProvidesFile{fix2col-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for fix2col package for Xe
9088 \def\RTL@outputdblcol{%
9089 \if@firstcolumn
9090 \global\@firstcolumnfalse
9091 \global\setbox\@leftcolumn\copy\@outputbox
9092 \splitmaxdepth\maxdimen
9093 \vbadness\maxdimen
9094 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9095 \toks@\expandafter{\topmark}%

```



```

9096 \xdef\@firstcoltopmark{\the\toks@}%
9097 \toks@\expandafter{\splitfirstmark}%
9098 \xdef\@firstcolfirstmark{\the\toks@}%
9099 \ifx\@firstcolfirstmark\empty
9100 \global\let\@setmarks\relax
9101 \else
9102 \gdef\@setmarks{%
9103 \let\firstmark\@firstcolfirstmark
9104 \let\topmark\@firstcoltopmark}%
9105 \fi
9106 \else \global\@firstcolumntrue
9107 \setbox\@outputbox \vbox {\hbox to\textwidth {%
9108 \hskip \columnwidth
9109 \hfil \vrule width\columnseprule \hfil
9110 \hbox to\columnwidth {\box\@leftcolumn \hss}%
9111 \hskip -\textwidth
9112 \hbox to\columnwidth{\box\@outputbox \hss}%
9113 \hskip \columnsep
9114 \hskip \columnwidth }}%
9115 \@combinedblfloats \@setmarks \@outputpage
9116 \begingroup \@dblfloatplacement \@startdblcolumn
9117 \@whiles\if@colmade \fi
9118 {\@outputpage \@startdblcolumn }\endgroup
9119 \fi}
9120 \def\LTR@outputdblcol{%
9121 \if@firstcolumn
9122 \global\@firstcolumnfalse
9123 \global\setbox\@leftcolumn\copy\@outputbox
9124 \splitmaxdepth\maxdimen
9125 \vbadness\maxdimen
9126 \setbox\@outputbox\vsplit\@outputbox to\maxdimen
9127 \toks@\expandafter{\topmark}%
9128 \xdef\@firstcoltopmark{\the\toks@}%
9129 \toks@\expandafter{\splitfirstmark}%
9130 \xdef\@firstcolfirstmark{\the\toks@}%
9131 \ifx\@firstcolfirstmark\empty
9132 \global\let\@setmarks\relax
9133 \else
9134 \gdef\@setmarks{%
9135 \let\firstmark\@firstcolfirstmark
9136 \let\topmark\@firstcoltopmark}%
9137 \fi
9138 \else
9139 \global\@firstcolumntrue
9140 \setbox\@outputbox\vbox{%
9141 \hb@xt@\textwidth{%
9142 \hb@xt@\columnwidth{\box\@leftcolumn \hss}%
9143 \hfil
9144 \vrule \@width\columnseprule
9145 \hfil

```



```

9146      \hb@xt@\columnwidth{\box\@outputbox \hss}}}%
9147 \combinedblfloats
9148 \setmarks
9149 \outputpage
9150 \begingroup
9151 \dblfloatingplacement
9152 \startdblcolumn
9153 \whilesw\if@colmade \fi{\@outputpage\startdblcolumn}%
9154 \endgroup
9155 \fi}

```

7.58 fleqn-xetex-bidi.def

```

9156 \ProvidesFile{fleqn-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for fleqn tag for XeTeX engine]
9157 \renewcommand\relax
9158     \ifmmode\@badmath
9159     \else
9160         \begin{trivlist}%
9161             \@beginparpenalty\predisplaypenalty
9162             \@endparpenalty\postdisplaypenalty
9163             \item[]\leavevmode
9164             \hb@xt@\linewidth\group \beginL$\m@th\displaystyle %$
9165                 \hskip\mathindent\group
9166             \fi}
9167 \renewcommand\relax
9168     \ifmmode
9169         \egroup $\hfil% $
9170     \endL\egroup
9171     \end{trivlist}%
9172     \else \@badmath
9173     \fi}
9174 \renewenvironment{equation}%
9175     {\@beginparpenalty\predisplaypenalty
9176     \@endparpenalty\postdisplaypenalty
9177     \refstepcounter{equation}%
9178     \trivlist \item[]\leavevmode
9179     \hb@xt@\linewidth\group\beginL $\m@th% $
9180         \displaystyle
9181         \hskip\mathindent}%
9182     {$\hfil % $
9183     \displaywidth\linewidth\hbox{\@eqnnum}%
9184     \endL\egroup
9185     \endtrivlist}

```

7.59 float-xetex-bidi.def

```

9186 \ProvidesFile{float-xetex-bidi.def}[2013/04/04 v0.2 bidi adaptations for float package for XeTeX engine]
9187 \renewcommand\floatc@plain[2]{\setbox\@tempboxa\hbox{\@fs@cfont #1:} #2}%
9188 \ifdim\wd\@tempboxa>\hsize {\@fs@cfont #1:} #2\par
9189 \else\hbox to\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}\fi}
9190 \def\float@newx#1[#2]{\@ifundefined{c@#1}{\newcounter{#1}[#2]}%

```



```

9191 \expandafter\edef\csname the#1\endcsname{%
9192 \expandafter\noexpand\csname
9193 the#2\endcsname\@SepMark\noexpand\arabic{#1}}}%
9194 {\PackageWarning{float}{Can't redefine counter variable for #1.}}

```

7.60 floatrow-xetex-bidi.def

```

9195 \ProvidesFile{floatrow-xetex-bidi.def}[2013/04/08 v0.1 bidi adaptations for floatrow package for
9196 \renewcommand\flnew@within[1]{\@addtoreset{FB@captype}{#1}}%
9197 \expandafter\edef\csname the\FB@captype\endcsname{%
9198 \expandafter\noexpand\csname
9199 the#1\endcsname\@SepMark\noexpand\arabic{FB@captype}}%

```

7.61 flowfram-xetex-bidi.def

```

9200 \ProvidesFile{flowfram-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for flowfram package for
9201 \def\@outputdblcol{%
9202 \@nxtcol=\c@thisframe
9203 \c@curpg=\c@page
9204 \g@tnextcol{\@nxtcol}}%
9205 \if@ff@nwpg % next flow frame starts on new page
9206 \global\@firstcolumntrue
9207 \setcolbox\c@thisframe
9208 \if@specialpage
9209 \global\@specialpagefalse
9210 \nameuse{ps@\@specialstyle}\relax
9211 \fi
9212 \if@twoside
9213 \ifodd\count\z@
9214 \let\@thehead\@oddhead
9215 \let\@thefoot\@oddfoot
9216 \else
9217 \let\@thehead\@evenhead
9218 \let\@thefoot\@evenfoot
9219 \fi
9220 \else
9221 \let\@thehead\@oddhead
9222 \let\@thefoot\@oddfoot
9223 \fi
9224 \beginenvi
9225 \dodynamicthehead\dodynamicthefoot
9226 \vbadness=\@M
9227 \setbox\@outputbox\box{\hbox to \textwidth{\@ff@do@allframes}}%
9228 \combinedblfloats
9229 \outputpage
9230 \advance\c@curpg by -\c@page\relax
9231 \whiledo{\c@curpg>0}{\advance\c@curpg by -1\relax
9232 \setbox\@outputbox\box{\hbox to \textwidth{\@ff@do@allframes}}%
9233 \outputpage}
9234 \begingroup
9235 \dblfloatplacement

```




```

9236 \startdblcolumn
9237 \@whilesw \if@fcolmade \fi
9238 {\@outputpage \@startdblcolumn }\endgroup
9239 \@resetst@tics
9240 \@resetdyn@mics
9241 \else % still on same page, save contents of box255
9242 \global\@firstcolumnfalse
9243 \setcolbox\c@thisframe
9244 \fi
9245 \global\c@thisframe=\@nxtcol
9246 \@setcol{\c@thisframe}\relax
9247 \global\@colht\vsiz
9248 }
9249 \def\@outputpage{%
9250 \begingroup
9251 \let\protect\noexpand
9252 \@resetactivechars
9253 \global\let\@if@newlist\if@newlist
9254 \global\@newlistfalse\@parboxrestore
9255 \shipout\vbox{\set@typeset@protect
9256 \aftergroup
9257 \endgroup
9258 \aftergroup
9259 \set@typeset@protect
9260 \reset@font\normalsize\normalsfcodes
9261 \let\label\@gobble
9262 \let\index\@gobble
9263 \let\glossary\@gobble
9264 \baselineskip\z@skip
9265 \lineskip\z@skip
9266 \lineskiplimit\z@
9267 \vskip\topmargin\moveright\@themargin
9268 \vbox{%
9269 \vskip\headheight
9270 \vskip\headsep
9271 \box\@outputbox
9272 }}%
9273 \global\let\if@newlist\@if@newlist
9274 \stepcounter{page}%
9275 \setcounter{displayedframe}{0}%
9276 \let\firstmark\botmark}
9277
9278
9279 \newcommand*\bidi@s@tfftextcol{\ifthenelse{\equal{\ff@txtcol}{}}{\}%
9280 \expandafter\bidicolor\ff@txtcol}}
9281
9282 \newcommand{\bidi@ff@box}[3]{\@ffbackground{\vbox to#2
9283 {\hb@xt@ #1{\hss{\bidi@s@tfftextcol #3}\hss}\vss\kern\z@}}}}
9284
9285

```



```

9286 \renewcommand*{\@docolbox}[1]{%
9287 \edef\ff@frametype{%
9288 \csname @ff@frametype@\romannumeral#1\endcsname}%
9289 \edef\ff@col{\csname @ff@col@\romannumeral#1\endcsname}%
9290 \edef\ff@txtcol{\csname @ff@txtcol@\romannumeral#1\endcsname}%
9291 \edef\ff@backcol{\csname @ff@backcol@\romannumeral#1\endcsname}%
9292 \@ff@setoffset{#1}%
9293 \rotateframe{\csname @ff@angle@\romannumeral#1\endcsname}{%
9294 \ifthenelse{\boolean{columnframe\romannumeral#1}}{%
9295 \@ff@fbox{\csname colwidth\romannumeral#1\endcsname}%
9296 {\csname colheight\romannumeral#1\endcsname}{%
9297 \expandafter\box\csname column\romannumeral#1\endcsname}{%
9298 \csname\ff@frametype\endcsname}%
9299 }{%
9300 \bidi@ff@box{\csname colwidth\romannumeral#1\endcsname}%
9301 {\csname colheight\romannumeral#1\endcsname}{%
9302 \expandafter\box\csname column\romannumeral#1\endcsname}%
9303 }}}
9304 \@ifclassloaded{book}{%
9305 \renewcommand\theequation
9306 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9307 \renewcommand \thefigure
9308 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9309 \renewcommand \thetable
9310 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9311 \renewcommand \thechapter {\@arabic\c@chapter}
9312 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9313 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9314 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9315 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9316 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
9317 \@ifclassloaded{report}{%
9318 \renewcommand\theequation
9319 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
9320 \renewcommand \thefigure
9321 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
9322 \renewcommand \thetable
9323 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
9324 \renewcommand \thechapter {\@arabic\c@chapter}
9325 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}
9326 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
9327 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
9328 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
9329 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}}{}
9330 \renewcommand{\rotateframe}[2]{\if@tbtb\rotate
9331 \rotatebox{#1}{\if@RTL\beginL\fi#2\if@RTL\endL\fi}%
9332 \else
9333 #2\relax
9334 \fi}

```



7.62 footnote-xetex-bidi.def

```
9335 \ProvidesFile{footnote-xetex-bidi.def}[2013/04/26 v0.8 bidi footnote macros for XeTeX engine]
9336 \if@RTLmain\@RTL@footnotetrue\else\@RTL@footnotefalse\fi
9337 \newif\ifbidi@autofootnoterule
9338 \def\bidi@mpfootnoterule{\footnoterule}
9339 \newcounter{footdir@label}
9340 \renewcommand*{\thefootdir@label}{footdir@the\value{footdir@label}}
9341 \newcommand*{\footdir@write}{%
9342   \stepcounter{footdir@label}%
9343   \zref@labelbyprops{\thefootdir@label}{abspage}%
9344 }
9345 \newif\iffootdir@debug
9346 \newcommand*{\debugfootnotedirection}{\footdir@debugtrue}
9347 \newtoks\footdir@toks
9348 \newcommand*{\footdir@debug}[1]{%
9349   \iffootdir@debug
9350     \typeout{[footdir] #1}%
9351   \fi
9352 }
9353 \@ifpackagelater{zref-abspage}{2012/10/27}{%
9354   \newcommand*{\footdir@LeftRightElse}{%
9355     \ltx@ifundefined{footdir@the\value{zabspage}}{%
9356       \footdir@debug{abspage \the\value{zabspage}: else}%
9357       \ltx@thirdofthree
9358     }{%
9359       \ifcsname footdir@the\value{zabspage}\endcsname L%
9360       \footdir@debug{abspage \the\value{zabspage}: left}%
9361       \expandafter\ltx@firstofthree
9362     }%
9363     \footdir@debug{abspage \the\value{zabspage}: right}%
9364     \expandafter\ltx@secondofthree
9365   }%
9366 }%
9367 }%
9368 }{%
9369   \providecommand*{\c@zabspage}{\c@abspage}%
9370   \newcommand*{\footdir@LeftRightElse}{%
9371     \footdir@write
9372     \zifrefundefined{\thefootdir@label}{%
9373       \footdir@debug{abspage ??: else}%
9374       \ltx@thirdofthree
9375     }{%
9376       \edef\footdir@abspage{%
9377         \zref@extractdefault{\thefootdir@label}{abspage}{0}%
9378       }%
9379       \ltx@ifundefined{footdir@\footdir@abspage}{%
9380         \footdir@debug{\footdir@abspage: else}%
9381         \ltx@thirdofthree
9382       }{%
```



```

9383     \if\csname footdir@\footdir@abspage\endcsname L%
9384     \footdir@debug{\footdir@abspage: left}%
9385     \expandafter\ltx@firstofthree
9386     \else
9387     \footdir@debug{\footdir@abspage: right}%
9388     \expandafter\ltx@secondofthree
9389     \fi
9390   }%
9391 }%
9392 }%
9393 }
9394 \newcommand*{\footdir@fntext}[1]{%
9395   \zifrefundefined{\thefootdir@label}{%
9396   }{%
9397     \edef\footdir@name{%
9398       footdir@\zref@extractdefault{\thefootdir@label}{abspage}{0}%
9399     }%
9400     \@ifundefined{\footdir@name}{%
9401       \expandafter\gdef\csname\footdir@name\endcsname{#1}%
9402     }{%
9403     }%
9404   }%
9405 }
9406 \newcommand*{\footdir@temp}[3]{%
9407   \@ifdefinable{#1}{%
9408     \let#1#2%
9409     \renewcommand{#2}[1]{%
9410       \footdir@write
9411       \footdir@fntext{#3}%
9412       \stepcounter{footdir@label}%
9413       \footdir@fntext{#3}%
9414       \footdir@toks{##1}%
9415       \footdir@toks\expandafter{%
9416         \the\expandafter\footdir@toks
9417         \expandafter
9418         \zref@labelbyprops\expandafter{\thefootdir@label}{abspage}%
9419       }%
9420       \expandafter#1\expandafter{\the\footdir@toks}%
9421     }%
9422   }%
9423 }
9424
9425 \def\right@footnoterule{%
9426   \hbox to \columnwidth
9427   {\beginR \vbox{\kern -3\p@
9428     \hrule width .4\columnwidth \kern2.6\p@\hfil\endR}}
9429 \def\left@footnoterule{%
9430   \hrule width .4\columnwidth\kern 2.6\p@}
9431 \def\textwidth@footnoterule{\kern-3\p@
9432   \hrule \@width \columnwidth \kern 2.6\p@}

```



```

9433 \def\leftfootnoterule{%
9434 \bidi@autofootnoterulefalse%
9435 \def\footnoterule{\left@footnoterule}}
9436 \let\LRfootnoterule=\leftfootnoterule
9437 \def\rightfootnoterule{%
9438 \bidi@autofootnoterulefalse%
9439 \def\footnoterule{\right@footnoterule}}
9440 \def\textwidthfootnoterule{%
9441 \bidi@autofootnoterulefalse%
9442 \def\footnoterule{\textwidth@footnoterule}}
9443
9444
9445
9446 \def\auto@footnoterule{%
9447 \footdir@LeftRightElse%
9448 \left@footnoterule%
9449 \right@footnoterule%
9450 \left@footnoterule%
9451 }
9452
9453
9454
9455 \def\autofootnoterule{%
9456 \bidi@autofootnoteruletrue%
9457 \def\footnoterule{\auto@footnoterule}%
9458 }
9459
9460 \newcommand*{\SplitFootnoteRule}{%
9461   \gdef\split@prev{0}
9462   \let\pagefootnoterule\footnoterule
9463   \let\mpfootnoterule\footnoterule
9464   \def\splitfootnoterule{\kern-3\p@ \hrule \kern2.6\p@}
9465   \def\footnoterule{\relax
9466     \ifx \@listdepth\@mplistdepth
9467       \mpfootnoterule
9468     \else
9469       \ifnum\split@prev=\z@
9470         \pagefootnoterule
9471       \else
9472         \splitfootnoterule
9473       \fi
9474       \xdef\split@prev{\the\insertpenalties}%
9475     \fi
9476   }%
9477 }
9478
9479
9480
9481
9482 \def\RTLfootnote{\@ifnextchar[\@xRTLfootnote{\stepcounter\@mpfn

```



```

9483 \protected@xdef\@thefnmark{\thempfn}%
9484 \@footnotemark\@RTLfootnotetext}}
9485 \def\xRTLfootnote[#1]{%
9486 \begingroup
9487 \csname c@\@mpfn\endcsname #1\relax
9488 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9489 \endgroup
9490 \@footnotemark\@RTLfootnotetext}
9491 \def\LTRfootnote{\@ifnextchar[\@xLTRfootnote{\stepcounter\@mpfn
9492 \protected@xdef\@thefnmark{\thempfn}%
9493 \@footnotemark\@LTRfootnotetext}}
9494 \def\xLTRfootnote[#1]{%
9495 \begingroup
9496 \csname c@\@mpfn\endcsname #1\relax
9497 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9498 \endgroup
9499 \@footnotemark\@LTRfootnotetext}
9500
9501
9502 \def\setfootnoteRL{\@RTL@footnotetrue}
9503 \def\unsetfootnoteRL{\@RTL@footnotefalse}
9504 \def\setfootnoteLR{\unsetfootnoteRL}
9505
9506 \long\def\@footnotetext#1{\insert\footins{%
9507 \if@RTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9508 \reset@font\footnotesize
9509 \interlinepenalty\interfootnotelinepenalty
9510 \splittopskip\footnotesep
9511 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
9512 \hsize\columnwidth \@parboxrestore
9513 \protected@edef\@currentlabel{%
9514 \csname p@footnote\endcsname\@thefnmark
9515 }%
9516 \color@begingroup
9517 \@makefnintext{%
9518 \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9519 \color@endgroup}}%
9520
9521
9522 \long\def\@RTLfootnotetext#1{\insert\footins{%
9523 \@RTLtrue%
9524 \reset@font\footnotesize
9525 \interlinepenalty\interfootnotelinepenalty
9526 \splittopskip\footnotesep
9527 \splitmaxdepth \dp\strutbox \floatingpenalty \@MM
9528 \hsize\columnwidth \@parboxrestore
9529 \protected@edef\@currentlabel{%
9530 \csname p@footnote\endcsname\@thefnmark
9531 }%
9532 \color@begingroup

```



```

9533     \@makefntext{%
9534         \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9535     \color@endgroup}}%
9536
9537 \long\def\@LTRfootnotetext#1{\insert\footins{%
9538     \@RTLfalse%
9539     \reset@font\footnotesize
9540     \interlinepenalty\interfootnotelinepenalty
9541     \splittopskip\footnotesep
9542     \splitmaxdepth \dp\strutbox \floatingpenalty \MM
9543     \hsize\columnwidth \@parboxrestore
9544     \protected@edef\@currentlabel{%
9545         \csname p@footnote\endcsname\@thefnmark
9546     }%
9547     \color@begingroup
9548     \@makefntext{%
9549         \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9550     \color@endgroup}}%
9551
9552 \AtBeginDocument{%
9553 \if@RTL@footnote
9554     \newcommand*{\bidi@footdir@footnote}{R}
9555 \else
9556     \newcommand*{\bidi@footdir@footnote}{L}
9557 \fi%
9558 }
9559
9560 \footdir@temp\footdir@ORG@bidi@footnotetext\@footnotetext{\bidi@footdir@footnote}%
9561 \footdir@temp\footdir@ORG@bidi@RTLfootnotetext\@RTLfootnotetext{R}%
9562 \footdir@temp\footdir@ORG@bidi@LTRfootnotetext\@LTRfootnotetext{L}%
9563
9564 \long\def\@mpRTLfootnotetext#1{%
9565     \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\right@footnote
9566     \global\setbox\@mpfootins\vbox{\@RTLtrue%
9567         \unvbox\@mpfootins
9568         \reset@font\footnotesize
9569         \hsize\columnwidth
9570         \@parboxrestore
9571         \protected@edef\@currentlabel
9572             {\csname p@mpfootnote\endcsname\@thefnmark}%
9573         \color@begingroup
9574         \@makefntext{%
9575             \rule{z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9576         \color@endgroup}}
9577 \long\def\@mpLTRfootnotetext#1{%
9578     \ifbidi@autofooterule\ifnum\c@mpfootnote=\@ne\global\let\bidi@mpfootnoterule\left@footnote
9579     \global\setbox\@mpfootins\vbox{\@RTLfalse%
9580         \unvbox\@mpfootins
9581         \reset@font\footnotesize
9582         \hsize\columnwidth

```



```

9583 \parboxrestore
9584 \protected@edef\@currentlabel
9585     {\csname p@mpfootnote\endcsname\@thefnmark}%
9586 \color@begingroup
9587     \@makefnmark{\rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9588 \color@endgroup}}
9589 \long\def\@mpfootnotetext#1{%
9590 \ifbidi@autofootnoterule\ifnum\c@mpfootnote=\@ne\ifRTL@footnote\global\let\bidi@mpfootnoterule
9591 \global\setbox\@mpfootins\vbox{\ifRTL@footnote\@RTLtrue\else\@RTLfalse\fi%
9592 \unvbox\@mpfootins
9593 \reset@font\footnotesize
9594 \hsize\columnwidth
9595 \parboxrestore
9596 \protected@edef\@currentlabel
9597     {\csname p@mpfootnote\endcsname\@thefnmark}%
9598 \color@begingroup
9599     \@makefnmark{\rule\z@\footnotesep\ignorespaces#1\@finalstrut\strutbox}%
9600 \color@endgroup}}
9601 \def\@iiminipage#1#2[#3]#4{%
9602 \leavevmode
9603 \pboxswfalse
9604 \ifRTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
9605 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
9606 \setlength\@tempdima{#4}%
9607 \def\@mpargs{{#1}{#2}[#3]{#4}}%
9608 \setbox\@tempboxa\vbox\bgroup
9609 \color@begingroup
9610 \hsize\@tempdima
9611 \textwidth\hsize \columnwidth\hsize
9612 \parboxrestore
9613 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
9614 \let\@footnotetext\@mpfootnotetext
9615 \let\@LTRfootnotetext\@mpLTRfootnotetext
9616 \let\@RTLfootnotetext\@mpRTLfootnotetext
9617 \let\@listdepth\@mplistdepth \@mplistdepth\z@
9618 \minipagerestore
9619 \setminipage}
9620 \def\endminipage{%
9621 \par
9622 \unskip
9623 \ifvoid\@mpfootins\else
9624 \vskip\skip\@mpfootins
9625 \normalcolor
9626 \bidi@mpfootnoterule
9627 \unvbox\@mpfootins
9628 \fi
9629 \@minipagefalse %% added 24 May 89
9630 \color@endgroup

```




```

9633 \egroup
9634 \expandafter\@iiiparbox\@mpargs{\unvbox\@tempboxa}}
9635 \def\LTRthanks#1{\footnotemark
9636 \protected@xdef\@thanks{\@thanks
9637 \protect\LTRfootnotetext[\the\c@footnote]{#1}}%
9638 }
9639 \def\LTRfootnotetext{%
9640 \ifnextchar [\@xLTRfootnotenext
9641 {\protected@xdef\@thefnmark{\thempfn}%
9642 \@LTRfootnotetext}}
9643 \def\@xLTRfootnotenext[#1]{%
9644 \beginingroup
9645 \csname c@\@mpfn\endcsname #1\relax
9646 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9647 \endgroup
9648 \@LTRfootnotetext}
9649 \def\RTLthanks#1{\footnotemark
9650 \protected@xdef\@thanks{\@thanks
9651 \protect\RTLfootnotetext[\the\c@footnote]{#1}}%
9652 }
9653 \let\@thanks\@empty
9654 \def\RTLfootnotetext{%
9655 \ifnextchar [\@xRTLfootnotenext
9656 {\protected@xdef\@thefnmark{\thempfn}%
9657 \@RTLfootnotetext}}
9658 \def\@xRTLfootnotenext[#1]{%
9659 \beginingroup
9660 \csname c@\@mpfn\endcsname #1\relax
9661 \unrestored@protected@xdef\@thefnmark{\thempfn}%
9662 \endgroup
9663 \@RTLfootnotetext}
9664 \leftfootnoterule

```

7.63 framed-xetex-bidi.def

```

9665 \ProvidesFile{framed-xetex-bidi.def}[2012/06/05 v0.3 bidi adaptations for framed package for XeT
9666 \renewcommand\TitleBarFrame[3][]{\beginingroup
9667 \ifx\delimiter#1\delimiter
9668 \let\TF@conlab\@empty
9669 \else
9670 \def\TF@conlab{% continuation label
9671 \nointerlineskip
9672 \smash{\rlap{\kern\wd\@tempboxa\kern\fboxrule\kern\fboxsep #1}}}%
9673 \fi
9674 %\let\TF@savecolor\current@color
9675 \textcolor{TFFrameColor}{%
9676 \CustomFBox
9677 {\TF@Title{#2}}{\TF@conlab}%
9678 \fboxrule\fboxrule\fboxrule\fboxrule
9679 %{\let\current@color\TF@savecolor\set@color #3}%

```



```

9680     {\normalcolor #3}%
9681   }\endgroup
9682 }
9683 \renewenvironment{titled-frame}[1]{%
9684   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
9685     \TitleBarFrame{\textbf{#1}}}%
9686   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
9687     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
9688   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
9689     \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1\ (cont)}}%
9690   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
9691     \TitleBarFrame{\textbf{#1\ (cont)}}}%
9692   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
9693 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
9694 % could interfere with the width measurement.
9695 {\endMakeFramed}
9696 \chardef\FrameRestore=\catcode`\| % for debug
9697 \catcode`\|=\catcode`\% % (debug: insert space after backslash)
9698 \def\fb@put@frame#1#2{\relax
9699   \ifdim\pagegoal=\maxdimen \pagegoal\vsize \fi
9700 |   \message{===== Entering putframe =====^~J
9701 |     \pagegoal=\the\pagegoal, \pagetotal=\the\pagetotal. }%
9702   \ifinner
9703     \fb@putboxa#1%
9704     \fb@afterframe
9705   \else
9706     \dimen@=\pagegoal \advance\dimen@-\pagetotal % natural space left on page
9707     \ifdim\dimen@<2\baselineskip % Too little room on page
9708 |       \message{Page has only \the\dimen@\space room left; eject. }%
9709       \eject \fb@adjheight \fb@put@frame#1#2%
9710     \else % there's appreciable room left on the page
9711       \fb@sizeofframe#1%
9712 |       \message{\string\pagetotal=\the\pagetotal,
9713 |         \string\pagegoal=\the\pagegoal,
9714 |         \string\pagestretch=\the\pagestretch,
9715 |         \string\pageshrink=\the\pageshrink,
9716 |         \string\fb@frh=\the\fb@frh. \space}
9717 |       \message{^^JBox of size \the\ht\@tempboxa\space}%
9718       \begingroup % temporarily set \dimen@ to be...
9719       \advance\dimen@.8\pageshrink % maximum space available on page
9720       \advance\dimen@-\fb@frh\relax % max space available for frame's contents
9721 %%% LOOKS SUBTRACTED AND ADDED, SO DOUBLE ACCOUNTING!
9722       \expandafter\endgroup
9723       % expand \ifdim, then restore \dimen@ to real room left on page
9724       \ifdim\dimen@>\ht\@tempboxa % whole box does fit
9725 |         \message{fits in \the\dimen@. }%
9726         % ToDo: Change this to use vsplit anyway to capture the marks
9727         % MERGE THIS WITH THE else CLAUSE!!!
9728         \fb@putboxa#1%
9729         \fb@afterframe

```



```

9730 \else % box must be split
9731 | \message{must be split to fit in \the\dimen@.}%
9732 % update frame measurement to use \FirstFrameCommand or \MidFrameCommand
9733 \fb@sizeofframe#2%
9734 \setbox\@tempboxa\vbox{% simulate frame and flexibility of the page:
9735 \vskip \fb@frh \@plus\pagestretch \@minus.8\pageshrink
9736 \kern137sp\kern-137sp\penalty-30
9737 \unvbox\@tempboxa}%
9738 \edef\fb@resto@set{\boxmaxdepth\the\boxmaxdepth
9739 \splittopskip\the\splittopskip}%
9740 \boxmaxdepth\z@ \splittopskip\z@
9741 | \message{^^JPadded box of size \the\ht\@tempboxa\space split to \the\dimen@}%
9742 % Split box here
9743 \setbox\tw@\vsplit\@tempboxa to\dimen@
9744 | \toks99\expandafter{\splitfirstmark}%
9745 | \toks98\expandafter{\splitbotmark}%
9746 | \message{Marks are: \the\toks99, \the\toks98.}%
9747 \setbox\tw@\vbox{\unvbox\tw@}% natural-sized
9748 | \message{Natural height of split box is \the\ht\tw@, leaving
9749 | \the\ht\@tempboxa\space remainder.}%
9750 % If the split-to size > (\vsize-\topskip), then set box to full size.
9751 \begingroup
9752 \advance\dimen@\topskip
9753 \expandafter\endgroup
9754 \ifdim\dimen@>\pagegoal
9755 | \message{Frame is big -- Use up the full column.}%
9756 \dimen@ii\pagegoal
9757 \advance\dimen@ii-\topskip
9758 \advance\dimen@ii\FrameHeightAdjust\relax
9759 \else % suspect this is implemented incorrectly:
9760 % If the split-to size > feasible room_on_page, rebox it smaller.
9761 \advance\dimen@.8\pageshrink
9762 \ifdim\ht\tw@>\dimen@
9763 | \message{Box too tall; rebox it to \the\dimen@.}%
9764 \dimen@ii\dimen@
9765 \else % use natural size
9766 \dimen@ii\ht\tw@
9767 \fi
9768 \fi
9769 % Re-box contents to desired size \dimen@ii
9770 \advance\dimen@ii-\fb@frh
9771 \setbox\tw@\vbox to\dimen@ii \bgroup
9772 % remove simulated frame and page flexibility:
9773 \vskip -\fb@frh \@plus-\pagestretch \@minus-.8\pageshrink
9774 \unvbox\tw@ \unpenalty\unpenalty
9775 \ifdim\lastkern=-137sp % whole box went to next page
9776 | \message{box split at beginning!}%
9777 % need work here???
9778 \egroup \fb@resto@set \eject % (\vskip for frame size was discarded)
9779 \fb@adjheight

```



```

9780         \fb@put@frame#1#2% INSERTED ???
9781     \else % Got material split off at the head
9782         \egroup \fb@resto@set
9783         \ifvoid\@tempboxa % it all fit after all
9784 |         \message{box split at end! }%
9785         \setbox\@tempboxa\box\tw@
9786         \fb@putboxa#1%
9787         \fb@afterframe
9788     \else % it really did split
9789 |     \message{box split as expected. Its reboxed height is \the\ht\tw@. }%
9790         \ifdim\wd\tw@>\z@
9791             \wd\tw@\wd\@tempboxa
9792             \centerline{#2{\hboxL{\box\tw@}}}% ??? \centerline bad idea
9793         \else
9794 |         \message{Zero width means likely blank. Don't frame it (guess)}%
9795             \box\tw@
9796             \fi
9797             \hrule \@height\z@ \@width\hsize
9798             \eject
9799             \fb@adjheight
9800             \fb@put@frame\LastFrameCommand\MidFrameCommand
9801     \fi\fi\fi\fi\fi
9802 }
9803 \def\fb@putboxa#1{%
9804     \ifvoid\@tempboxa
9805         \PackageWarning{framed}{Boxa is void -- discard it. }%
9806     \else
9807 |         \message{Frame and place boxa. }%
9808 |         %{\showoutput\showbox\@tempboxa}%
9809         \centerline{#1{\hboxL{\box\@tempboxa}}}%
9810     \fi
9811 }
9812 \catcode`\|=\FrameRestore
9813 \def\FrameRestore{%
9814     \let\if@nobreak\iffalse
9815     \let\if@noskipsec\iffalse
9816     \let\-\@dischyp
9817     \let'\@acci\let\` \@accii\let\=\@acciii
9818     % \message{FrameRestore:
9819     %     \@totalleftmargin=\the \@totalleftmargin,
9820     %     \rightmargin=\the\rightmargin,
9821     %     \@listdepth=\the\@listdepth. }%
9822     % Test if we are in a list (or list-like paragraph)
9823     \ifnum \ifdim\@totalleftmargin>\z@ 1\fi
9824         \ifdim\rightmargin>\z@ 1\fi
9825         \ifnum\@listdepth>\z@ 1\fi 0>\z@
9826     %     \message{In a list: \linewidth=\the\linewidth, \@totalleftmargin=\the\@totalleftmargin,
9827     %     \parshape=\the\parshape, \columnwidth=\the\columnwidth, \hsize=\the\hsize,
9828     %     \labelwidth=\the\labelwidth. }%
9829     \@setminipage % snug fit around the item

```



```

9830 % Now try to propagate changes of width from \hsize to list parameters.
9831 % This is deficient, but a more advanced way to indicate modification to text
9832 % dimensions is not (yet) provided; in particular, no separate left/right
9833 % adjustment.
9834 \advance\linewidth-\columnwidth \advance\linewidth\hsize
9835 \parshape\@ne \@totalleftmargin \linewidth
9836 \else % Not in list
9837 \linewidth=\hsize
9838 %\message{No list, set \string\linewidth=\the\hsize. }%
9839 \fi
9840 \sloppy
9841 }

```

7.64 ftnright-xetex-bidi.def

```

9842 \ProvidesFile{ftnright-xetex-bidi.def}[2013/04/10 v0.3 bidi adaptations for ftnright package for
9843 \def\LTR@outputdblcol{\if@firstcolumn
9844 \global\@firstcolumnfalse
9845 \global\setbox\@leftcolumn\box\@outputbox
9846 \global\count\footins\@m
9847 \global\skip\footins\rcol@footinsskip
9848 \else \preparefootins
9849 \global\@firstcolumntrue
9850 \setbox\@outputbox\vbox{\hbox to\textwidth
9851 {\hbox to\columnwidth
9852 {\box\@leftcolumn\hss}%
9853 \hfil\vrule\@width\columnseprule\hfil
9854 \hbox to\columnwidth
9855 {\box\@outputbox\hss}}}%
9856 \@combinedblfloats\@outputpage
9857 \begingroup
9858 \@dblfloatplacement\@startdblcolumn
9859 \@whiles\if@fcolmade\fi
9860 {\@outputpage\@startdblcolumn}%
9861 \endgroup
9862 \fi}
9863 \def\RTL@outputdblcol{\if@firstcolumn
9864 \global\@firstcolumnfalse
9865 \global\setbox\@leftcolumn\box\@outputbox
9866 \global\count\footins\@m
9867 \global\skip\footins\rcol@footinsskip
9868 \else \preparefootins
9869 \global\@firstcolumntrue
9870 \setbox\@outputbox\vbox{\hbox to\textwidth
9871 {\hskip \columnwidth
9872 \hfil \vrule width\columnseprule \hfil
9873 \hbox to\columnwidth
9874 {\box\@leftcolumn\hss}%
9875 \hskip -\textwidth
9876 \hbox to\columnwidth

```



```

9877         {\box\@outputbox\hss}
9878     \hskip \columnsep
9879     \hskip \columnwidth}}}%
9880 \@combinedblfloats\@outputpage
9881 \begingroup
9882 \@dblfloatplacement\@startdblcolumn
9883 \@whiles\if@fcolmade\fi
9884     {\@outputpage\@startdblcolumn}%
9885 \endgroup
9886 \fi}
9887 \let\leftfootnoterule\@empty
9888 \let\rightfootnoterule\@empty
9889 \let\textwidthfootnoterule\@empty
9890 \let\autofootnoterule\@empty
9891 \let\footnoterule\@empty
9892 \long\def\@makefntext#1{\parindent 1em
9893     \noindent\hbox to 2em{}}%
9894 \llap{\@thefnmark\hbox{.}\,\,\,}\#1}

```

7.65 graphicx-xetex-bidi.def

```

9895 \ProvidesFile{graphicx-xetex-bidi.def}[2012/01/01 v0.4 bidi adaptations for graphicx package for
9896 \def\Grot@box@std#1#2{\ifmmode\else\if@RTL\beginL\fi\fi}
9897 \Grot@setangle{#1}%
9898 \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#2\if@RTL\endR\fi\else\if@RTL\beginR\fi#2\if@RTL\end
9899 \Grot@x\z@
9900 \Grot@y\z@
9901 \Grot@box\ifmmode\else\if@RTL\endL\fi\fi}
9902 \long\def\Gscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi}
9903 \leavevmode
9904 \def\Gscale@x{#1}\def\Gscale@y{#2}%
9905 \setbox\z@\hbox{{#3}}%
9906 \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
9907 \ifdim#2\p@<\z@
9908     \ht\tw@-#2\dp\z@
9909     \dp\tw@-#2\ht\z@
9910 \else
9911     \ht\tw@#2\ht\z@
9912     \dp\tw@#2\dp\z@
9913 \fi
9914 \ifdim#1\p@<\z@
9915     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
9916 \else
9917     \wd\tw@#1\wd\z@
9918     \box\tw@
9919 \fi\ifmmode\else\if@RTL\endL\fi\fi}
9920 \def\Gin@iii[#1,#2][#3,#4]#5{%
9921 \begingroup
9922 \ifmmode\else\if@RTL\beginL\fi\fi
9923 \Gin@bboxtrue

```



```

9924 \Gin@defaultbp\Gin@llx{#1}%
9925 \Gin@defaultbp\Gin@lly{#2}%
9926 \Gin@defaultbp\Gin@urx{#3}%
9927 \Gin@defaultbp\Gin@ury{#4}%
9928 \Gininclude@graphics{#5}%
9929 \ifmmode\else\if@RTL\endL\fi\fi
9930 \endgroup}
9931 \def\Gin@ii[#1]#2{%
9932   \def\@tempa{[]}\def\@tempb{#2}%
9933   \ifx\@tempa\@tempb
9934     \def\@tempa{\Gin@iii[#1] []}%
9935     \expandafter\@tempa
9936   \else
9937     \begingroup
9938       \ifmmode\else\if@RTL\beginL\fi\fi
9939       \@tempswafalse
9940       \toks@{\Gininclude@graphics{#2}}%
9941       \setkeys{Gin}{#1}%
9942       \Gin@esetsize
9943       \the\toks@
9944       \ifmmode\else\if@RTL\endL\fi\fi
9945     \endgroup
9946   \fi}
9947 \def\reflectbox{\bidiGscale@box-1[1]}
9948 \long\def\bidiGscale@box#1[#2]#3{\ifmmode\else\if@RTL\beginL\fi\fi%
9949   \leavevmode
9950   \def\Gscale@x{#1}\def\Gscale@y{#2}%
9951   \setbox\z@\hbox{\ifmmode\if@RTL\beginR\fi#3\if@RTL\endR\fi\else\if@RTL\beginR\fi#3\if@RTL\endR\fi}%
9952   \setbox\tw@\hbox{\Gscale@start\rlap{\copy\z@}\Gscale@end}%
9953   \ifdim#2\p<\z@
9954     \ht\tw@-#2\dp\z@
9955     \dp\tw@-#2\ht\z@
9956   \else
9957     \ht\tw@#2\ht\z@
9958     \dp\tw@#2\dp\z@
9959   \fi
9960   \ifdim#1\p<\z@
9961     \hb@xt@-#1\wd\z@{\kern-#1\wd\z@\box\tw@\hss}%
9962   \else
9963     \wd\tw@#1\wd\z@
9964     \box\tw@
9965   \fi\ifmmode\else\if@RTL\endL\fi\fi}
9966 \def\scalebox#1{%
9967   \@ifnextchar[{\bidiGscale@box{#1}}{\bidiGscale@box{#1}[#1]}%
9968 \def\resizebox{%
9969   \leavevmode
9970   \@ifstar{\bidiGscale@@box\totalheight}{\bidiGscale@@box\height}}
9971 \def\bidiGscale@@box#1#2#3{%
9972   \let\@tempa\Gin@exclamation
9973   \expandafter\def\expandafter\@tempb\expandafter{\string#2}%

```



```

9974 \expandafter\def\expandafter\@tempc\expandafter{\string#3}%
9975 \ifx\@tempb\@tempa
9976 \ifx\@tempc\@tempa
9977 \toks@{\mbox}%
9978 \else
9979 \toks@{\bidiGscale@box@dd{#3}#1}%
9980 \fi
9981 \else
9982 \ifx\@tempc\@tempa
9983 \toks@{\bidiGscale@box@dd{#2}\width}%
9984 \else
9985 \toks@{\bidiGscale@box@ddd{#2}\width{#3}#1}%
9986 \fi
9987 \fi
9988 \the\toks@}
9989 \long\def\bidiGscale@box@dd#1#2#3{%
9990 \@begin@tempboxa\hbox{\ifmode\ifRTL\beginR\fi#3\ifRTL\endR\fi\else\ifRTL\beginR\fi#3\ifRTL\endR\fi}%
9991 \setlength\@tempdima{#1}%
9992 \setlength\@tempdimb{#2}%
9993 \Gscale@div\@tempa\@tempdima\@tempdimb
9994 \Gscale@box\@tempa[\@tempa]{\box\@tempboxa}%
9995 \@end@tempboxa}
9996 \long\def\bidiGscale@box@ddd#1#2#3#4#5{%
9997 \@begin@tempboxa\hbox{\ifmode\ifRTL\beginR\fi#5\ifRTL\endR\fi\else\ifRTL\beginR\fi#5\ifRTL\endR\fi}%
9998 \setlength\@tempdima{#1}%
9999 \setlength\@tempdimb{#2}%
10000 \Gscale@div\@tempa\@tempdima\@tempdimb
10001 \setlength\@tempdima{#3}%
10002 \setlength\@tempdimb{#4}%
10003 \Gscale@div\@tempb\@tempdima\@tempdimb
10004 \ifGin@iso
10005 \ifdim\@tempa\p>\@tempb\p@
10006 \let\@tempa\@tempb
10007 \else
10008 \let\@tempb\@tempa
10009 \fi
10010 \fi
10011 \Gscale@box\@tempa[\@tempb]{\box\@tempboxa}%
10012 \@end@tempboxa}

```

7.66 geometry-xetex-bidi.def

```

10013 \ProvidesFile{geometry-xetex-bidi.def}[2013/04/01 v0.1 bidi adaptations for geometry package for
10014 \renewcommand*{\Gm@vrules@mpi}{%
10015 \ifRTLmain%
10016 \hb@xt@\@tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10017 \llap{\Gm@vrule}\ignorespaces
10018 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10019 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}%
10020 \else%

```




```

10021 \hb@xt@{\tempdima{\llap{\Gm@vrule}\ignorespaces
10022 \hskip \textwidth\Gm@vrule\hskip \marginparsep
10023 \llap{\Gm@vrule}\hfil\Gm@vrule}\fi}%
10024 \renewcommand*{\Gm@vrules@mpii}{%
10025 \if@RTLmain%
10026 \hb@xt@{\tempdima{\llap{\Gm@vrule}\ignorespaces
10027 \hskip \textwidth\Gm@vrule\hskip \marginparsep
10028 \llap{\Gm@vrule}\hfil\Gm@vrule}%
10029 \else%
10030 \hb@xt@{\tempdima{\hskip-\marginparwidth\hskip-\marginparsep
10031 \llap{\Gm@vrule}\ignorespaces
10032 \hskip \marginparwidth\rlap{\Gm@vrule}\hskip \marginparsep
10033 \llap{\Gm@vrule}\hskip\textwidth\rlap{\Gm@vrule}\hss}\fi}%
10034

```

7.67 hvfloat-xetex-bidi.def

```

10035 \ProvidesFile{hvfloat-xetex-bidi.def}[2012/04/18 v0.2 bidi adaptations for hvfloat package for Xe
10036 \def\do@hvFloat[#1]#2#3{%
10037 \def\hv@shortCap{#1}
10038 \def\hv@longCap{#2}
10039 \def\hv@label{#3}
10040 %\newcommand*{\hvFloat}[5][ ]{%
10041 % #1}: keyvalues
10042 % #2: type figure | table | ...
10043 % #3: float contents
10044 % #4]: short caption
10045 % #5: caption
10046 % #6: label
10047 % \setDefault%
10048 % \def\@tempa{#1}%
10049 % \ifx\@tempa\empty\else\setkeys{hvSet}{#1}\fi% set options, only when not empty
10050 \def\@tempa{90}%
10051 \ifx\hvSet@rotAngle\@tempa \setlength{\hvMaxCapWidth}{\textheight}
10052 \else \setlength{\hvMaxCapWidth}{\linewidth}
10053 \fi
10054 %
10055 % First we save the object in \hvObjectBox
10056 %
10057 \ifx\hvSet@objectAngle\hv@Zero % rotate the object?
10058 \savebox{\hvObjectBox}{\ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}
10059 \else
10060 \savebox{\hvObjectBox}{%
10061 \rotatebox{\hvSet@objectAngle}{%
10062 \ifhv@useOBox\usebox{\hvOBox}\else\hv@floatObject\fi}}
10063 \fi
10064 \setlength{\hvObjectWidth}{\wd\hvObjectBox}
10065 %
10066 % Now we save the caption with its defined \hvCapWidth
10067 %

```



```

10068 \ifx\hvSet@capWidth\hv@Width\setlength{\hvCapWidth}{\hvObjectWidth}
10069 \else
10070 \ifx\hvSet@capWidth\hv@Height\setlength{\hvCapWidth}{\ht\hvObjectBox}
10071 \else
10072 \setlength{\hvCapWidth}{\hvObjectWidth}
10073 \ifx\hvSet@capPos\hv@Left\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
10074 \ifx\hvSet@capPos\hv@Right\addtolength{\hvMaxCapWidth}{-\hvObjectWidth}\fi
10075 \ifdim\hvSet@capWidth\columnwidth<\hvMaxCapWidth
10076 \setlength{\hvCapWidth}{\hvSet@capWidth\columnwidth}
10077 \else
10078 \setlength{\hvCapWidth}{\hvMaxCapWidth}
10079 \fi
10080 \fi
10081 \fi
10082 %
10083 % now we have the object and the caption with the right
10084 % rotated angles saved in boxes
10085 %
10086 \def\fps@figure{\hvSet@floatPos}
10087 \ifhv@nonFloat\begin{group}% Start the nonfloat part
10088 \else \begin{\hv@floatType}% Start the floating environment
10089 \fi%
10090 \saveCaptionSkip% we put this space ourselves
10091 \ifx\hvSet@capAngle\hv@Width % need rotation?
10092 \sbox{\hvCaptionBox}{%
10093 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
10094 \ifhv@nonFloat%
10095 \ifhv@onlyText#2%
10096 \else%
10097 \ifx\hv@floatType\hv@figure
10098 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
10099 \else
10100 \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
10101 \fi
10102 \fi
10103 \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
10104 \fi%
10105 \label{#3}%
10106 \end{minipage}%
10107 }%
10108 \else%
10109 \sbox{\hvCaptionBox}{%
10110 \rotatebox{\hvSet@capAngle}{%
10111 \begin{minipage}[b]{\hvCapWidth}% minipage, to get hyphenation
10112 \ifhv@nonFloat%
10113 \ifhv@onlyText#2%
10114 \else%
10115 \ifx\hv@floatType\hv@figure
10116 \ifx\relax#1\relax \figcaption{#2}\else\figcaption[#1]{#2}\fi
10117 \else

```



```

10118      \ifx\relax#1\relax \tabcaption{#2}\else\tabcaption[#1]{#2}\fi%
10119      \fi
10120    \fi
10121  \else\ifx\relax\hv@shortCap\relax\caption{#2}\else\caption[#1]{#2}\fi%
10122      \fi%
10123      \label{#3}%
10124      \end{minipage}%
10125    }%
10126  }%
10127  \fi%
10128 %%
10129  \restoreCaptionSkip% save old values
10130  \ifx\hvSet@objectPos\hv@Right\bidiraggedleft%
10131  \else%
10132    \ifx\hvSet@objectPos\hv@Center
10133      \ifhv@nonFloat\hspace*{\fill}\else\centering\fi%
10134    \fi%
10135  \fi%
10136 %
10137 % to rotate object and caption together, we save all in another box
10138 % the caption comes first, if its on the left or the top
10139 %
10140  \savebox{\@tempboxa}{%
10141    \ifx\hvSet@capPos\hv@Left % caption on left side
10142    \if@RTL%
10143      \ifx\hvSet@capVPos\hv@Center%
10144      \ifhv@fbox
10145        \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10146      \else
10147        \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10148      \fi%
10149      \hspace{\hvSet@floatCapSep pt}%
10150    \ifhv@fbox
10151      \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10152    \else
10153      \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10154    \fi%
10155  \else%
10156    \ifx\hvSet@capVPos\hv@Top
10157    \ifhv@fbox
10158      \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10159    \else
10160      \raisebox{-\height}{\usebox{\hvObjectBox}}%
10161    \fi%
10162    \hspace{\hvSet@floatCapSep pt}%
10163    \ifhv@fbox
10164      \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10165    \else
10166      \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10167    \fi

```



```

10168 \else
10169 \ifhv@fbox
10170 \fbox{\usebox{\hvObjectBox}}%
10171 \else
10172 \usebox{\hvObjectBox}%
10173 \fi
10174 \hspace{\hvSet@floatCapSep pt}%
10175 \ifhv@fbox
10176 \fbox{\usebox{\hvCaptionBox}}%
10177 \else
10178 \usebox{\hvCaptionBox}%
10179 \fi%
10180 \fi%
10181 \fi%
10182 \else% not RTL
10183 \ifx\hvSet@capVPos\hv@Center%
10184 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10185 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10186 \fi%
10187 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10188 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10189 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10190 \fi%
10191 \else%
10192 \ifx\hvSet@capVPos\hv@Top % caption at top
10193 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10194 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10195 \fi
10196 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10197 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10198 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
10199 \fi%
10200 \else% caption on bottom
10201 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
10202 \else\usebox{\hvCaptionBox}
10203 \fi%
10204 \hspace{\hvSet@floatCapSep pt}%
10205 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}
10206 \else \usebox{\hvObjectBox}
10207 \fi%
10208 \fi%
10209 \fi% end of RTL
10210 \fi%
10211 \else
10212 \ifx\hvSet@capPos\hv@Top
10213 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10214 \begin{minipage}{\wd\hvCaptionBox}
10215 \else
10216 \begin{minipage}{\wd\hvObjectBox}
10217 \fi

```



```

10218 \centering
10219 \ifhv@fbox
10220 \fbox{\usebox{\hvCaptionBox}}\[\hvBelowCaptionSkip]
10221 \fbox{\usebox{\hvObjectBox}}
10222 \else
10223 \usebox{\hvCaptionBox}\[\hvBelowCaptionSkip]
10224 \usebox{\hvObjectBox}
10225 \fi%
10226 \end{minipage}
10227 \else
10228 \ifx\hvSet@capPos\hv@Bottom
10229 \ifdim\wd\hvCaptionBox>\wd\hvObjectBox
10230 \begin{minipage}{\wd\hvCaptionBox}
10231 \else
10232 \begin{minipage}{\wd\hvObjectBox}
10233 \fi
10234 \centering
10235 \ifhv@fbox
10236 \fbox{\usebox{\hvObjectBox}}\[\hvAboveCaptionSkip]
10237 \fbox{\usebox{\hvCaptionBox}}
10238 \else
10239 \usebox{\hvObjectBox}\[\hvAboveCaptionSkip]
10240 \usebox{\hvCaptionBox}
10241 \fi%
10242 \end{minipage}
10243 \else% the last option: put the caption on the right
10244 \if@RTL%
10245 \ifx\hvSet@capVPos\hv@Center%
10246 \ifhv@fbox\fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10247 \else \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}%
10248 \fi%
10249 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10250 \ifhv@fbox\fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}%
10251 \else \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10252 \fi%
10253 \else%
10254 \ifx\hvSet@capVPos\hv@Top % caption at top
10255 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10256 \else \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10257 \fi
10258 \hspace{\hvSet@floatCapSep pt}% capfloatsep
10259 \ifhv@fbox\fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10260 \else \raisebox{-\height}{\usebox{\hvObjectBox}}%
10261 \fi%
10262 \else% caption on bottom
10263 \ifhv@fbox\fbox{\usebox{\hvCaptionBox}}
10264 \else\usebox{\hvCaptionBox}
10265 \fi%
10266 \hspace{\hvSet@floatCapSep pt}%
10267 \ifhv@fbox\fbox{\usebox{\hvObjectBox}}

```



```

10268      \else      \usebox{\hvObjectBox}
10269      \fi%
10270      \fi%
10271      \fi%
10272 \else% not RTL
10273 \ifx\hvSet@capVPos\hv@Center%
10274 \ifhv@fbox
10275 \fbox{\parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}}
10276 \else
10277 \parbox{\wd\hvObjectBox}{\usebox{\hvObjectBox}}
10278 \fi%
10279 \hspace{\hvSet@floatCapSep pt}%
10280 \ifhv@fbox
10281 \fbox{\parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}}%
10282 \else
10283 \parbox{\wd\hvCaptionBox}{\usebox{\hvCaptionBox}}
10284 \fi%
10285 \else%
10286 \ifx\hvSet@capVPos\hv@Top
10287 \ifhv@fbox
10288 \fbox{\raisebox{-\height}{\usebox{\hvObjectBox}}}%
10289 \else
10290 \raisebox{-\height}{\usebox{\hvObjectBox}}%
10291 \fi%
10292 \hspace{\hvSet@floatCapSep pt}%
10293 \ifhv@fbox
10294 \fbox{\raisebox{-\height}{\usebox{\hvCaptionBox}}}%
10295 \else
10296 \raisebox{-\height}{\usebox{\hvCaptionBox}}%
10297 \fi
10298 \else
10299 \ifhv@fbox
10300 \fbox{\usebox{\hvObjectBox}}%
10301 \else
10302 \usebox{\hvObjectBox}%
10303 \fi
10304 \hspace{\hvSet@floatCapSep pt}%
10305 \ifhv@fbox
10306 \fbox{\usebox{\hvCaptionBox}}%
10307 \else
10308 \usebox{\hvCaptionBox}%
10309 \fi%
10310 \fi%
10311 \fi
10312 \fi% end of RTL
10313 \fi
10314 \fi
10315 \fi
10316 }% End savebox Object and caption
10317 %

```



```

10318 % now we rotate the object and caption, if needed
10319 %
10320 \ifx\hvSet@rotAngle\hv@Zero
10321 \usebox{\@tempboxa}
10322 \else
10323 \rotatebox{\hvSet@rotAngle}{\usebox{\@tempboxa}}
10324 \fi
10325 \ifhv@nonFloat
10326 \ifx\hvSet@objectPos\hv@Center
10327 \ifhv@nonFloat
10328 \hspace{\fill}
10329 \fi
10330 \fi
10331 \endgroup% End the nonfloat part
10332 \else
10333 \end{\hv@floatType}% End the floating environment
10334 \fi
10335 }

```

7.68 hyperref-xetex-bidi.def

```

10336 \ProvidesFile{hyperref-xetex-bidi.def}[2014/11/08 v0.8 bidi adaptations for hyperref package for
10337 \AtBeginDocument{%
10338 \def\contentsline#1#2#3#4{%
10339   \ifx\\#4\\%
10340     \csname l@#1\endcsname{#2}{#3}%
10341   \else
10342     \ifcase\Hy@linktoc % none
10343       \csname l@#1\endcsname{#2}{#3}%
10344     \or % section
10345       \csname l@#1\endcsname{%
10346         \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
10347       }{#3}%
10348     \or % page
10349       \csname l@#1\endcsname{{#2}}{%
10350         \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
10351       }%
10352     \else % all
10353       \csname l@#1\endcsname{%
10354         \beginL\hyper@linkstart{link}{#4}{\if@RTL\beginR\fi#2\if@RTL\endR\fi}\hyper@linkend\endL
10355       }{%
10356         \beginL\hyper@linkstart{link}{#4}{#3}\hyper@linkend\endL
10357       }%
10358     \fi
10359   \fi
10360 }
10361 \ifHy@hyperfootnotes
10362   \let\H@footnotetext\@footnotetext
10363   \let\HRTL@RTLfootnotetext\@RTLfootnotetext
10364   \let\HLTR@LTRfootnotetext\@LTRfootnotetext

```



```

10365 \def\@xfootnotenext[#1]{%
10366 \begingroup
10367 \csname c@\@mpfn\endcsname #1\relax
10368 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10369 \endgroup
10370 \ifx\@footnotetext\@mpfootnotetext
10371 \expandafter\H@\@mpfootnotetext
10372 \else
10373 \expandafter\H@\@footnotetext
10374 \fi
10375 }%
10376 \def\@xRTLfootnotenext[#1]{%
10377 \begingroup
10378 \csname c@\@mpfn\endcsname #1\relax
10379 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10380 \endgroup
10381 \ifx\@RTLfootnotetext\@mpRTLfootnotetext
10382 \expandafter\HRTL@\@mpRTLfootnotetext
10383 \else
10384 \expandafter\HRTL@\@RTLfootnotetext
10385 \fi
10386 }%
10387 \def\@xLTRfootnotenext[#1]{%
10388 \begingroup
10389 \csname c@\@mpfn\endcsname #1\relax
10390 \unrestored@protected@xdef\@thefnmark{\thempfn}%
10391 \endgroup
10392 \ifx\@LTRfootnotetext\@mpLTRfootnotetext
10393 \expandafter\HLTR@\@mpLTRfootnotetext
10394 \else
10395 \expandafter\HLTR@\@LTRfootnotetext
10396 \fi
10397 }%
10398 \def\@xfootnotemark[#1]{%
10399 \begingroup
10400 \c@footnote #1\relax
10401 \unrestored@protected@xdef\@thefnmark{\thefootnote}%
10402 \endgroup
10403 \H@\@footnotemark
10404 }%
10405 \let\H@\@mpfootnotetext\@mpfootnotetext
10406 \let\HRTL@\@mpRTLfootnotetext\@mpRTLfootnotetext
10407 \let\HLTR@\@mpLTRfootnotetext\@mpLTRfootnotetext
10408 \long\def\@mpfootnotetext#1{%
10409 \H@\@mpfootnotetext{%
10410 \ifHy@nesting
10411 \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10412 \else
10413 \Hy@raisedlink{%
10414 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%

```




```

10415         }#1%
10416     \fi
10417 }%
10418 }%
10419 \long\def\@mpRTLfootnotetext#1{%
10420     \HRTL@mpRTLfootnotetext{%
10421         \ifHy@nesting
10422             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10423         \else
10424             \Hy@raisedlink{%
10425                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10426             }#1%
10427     \fi
10428 }%
10429 }%
10430 \long\def\@mpLTRfootnotetext#1{%
10431     \HLTR@mpLTRfootnotetext{%
10432         \ifHy@nesting
10433             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10434         \else
10435             \Hy@raisedlink{%
10436                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10437             }#1%
10438     \fi
10439 }%
10440 }%
10441 \long\def\@footnotetext#1{%
10442     \H@footnotetext{%
10443         \ifHy@nesting
10444             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10445         \else
10446             \Hy@raisedlink{%
10447                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10448             }%
10449             \let\@currentHlabel\Hy@footnote@currentHlabel
10450             \let\@currentHref\Hy@footnote@currentHref
10451             \let\@currentlabelname\@empty
10452             #1%
10453     \fi
10454 }%
10455 }%
10456 \long\def\@RTLfootnotetext#1{%
10457     \HRTL@RTLfootnotetext{%
10458         \ifHy@nesting
10459             \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10460         \else
10461             \Hy@raisedlink{%
10462                 \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10463             }%
10464             \let\@currentHlabel\Hy@footnote@currentHlabel

```



```

10465         \let\@currentHref\Hy@footnote@currentHref
10466         \let\@currentlabelname\@empty
10467         #1%
10468     \fi
10469 }%
10470 }%
10471 \long\def\@LTRfootnotetext#1{%
10472 \HLTR@@LTRfootnotetext{%
10473     \ifHy@nesting
10474         \hyper@@anchor{\Hy@footnote@currentHref}{#1}%
10475     \else
10476         \Hy@raisedlink{%
10477             \hyper@@anchor{\Hy@footnote@currentHref}{\relax}%
10478         }%
10479         \let\@currentHlabel\Hy@footnote@currentHlabel
10480         \let\@currentHref\Hy@footnote@currentHref
10481         \let\@currentlabelname\@empty
10482         #1%
10483     \fi
10484 }%
10485 }%
10486 \def\@footnotemark{%
10487     \leavevmode
10488     \ifhmode\edef\@x@sf{\the\spacefactor}\nobreak\fi
10489     \stepcounter{Hfootnote}%
10490     \global\let\Hy@saved@currentHlabel\@currentHlabel
10491     \global\let\Hy@saved@currentHref\@currentHref
10492     \hyper@makecurrent{Hfootnote}%
10493     \global\let\Hy@footnote@currentHlabel\@currentHlabel
10494     \global\let\Hy@footnote@currentHref\@currentHref
10495     \global\let\@currentHlabel\Hy@saved@currentHlabel
10496     \global\let\@currentHref\Hy@saved@currentHref
10497     \beginL\hyper@linkstart{link}{\Hy@footnote@currentHref}%
10498     \@makefnmark
10499     \hyper@linkend\endL
10500     \ifhmode\spacefactor\@x@sf\fi
10501     \relax
10502 }%
10503 \@ifpackageloaded{tabularx}{%
10504     \let\HyOrg@TX@endtabularx\TX@endtabularx
10505     \def\Hy@tabularx@hook{%
10506         \let\@footnotetext\H@@footnotetext
10507         \let\@LTRfootnotetext\HLTR@@LTRfootnotetext
10508         \let\@RTLfootnotetext\HRTL@@RTLfootnotetext
10509         \let\@footnotemark\H@@footnotemark
10510         \let\@mpfootnotetext\H@@mpfootnotetext
10511         \let\@mpLTRfootnotetext\HLTR@@mpLTRfootnotetext
10512         \let\@mpRTLfootnotetext\HRTL@@mpRTLfootnotetext
10513     }%
10514     \begingroup

```



```

10515     \toks@\expandafter{\TX@endtabularx}%
10516     \xdef\Hy@gtemp{%
10517         \noexpand\Hy@tabularx@hook
10518         \the\toks@
10519     }%
10520     \endgroup
10521     \let\TX@endtabularx\Hy@gtemp
10522 }{}%
10523 \ifpackageloaded{longtable}{%
10524     \CheckCommand*{\LT@p@LTRfnttext}[1]{%
10525         \edef\@tempa{%
10526             \the\LT@p@ftn
10527             \noexpand\LTRfootnotetext[\the\c@footnote]%
10528         }%
10529         \global\LT@p@ftn\expandafter{\@tempa{#1}}%
10530     }%
10531     \long\def\LT@p@LTRfnttext#1{%
10532         \edef\@tempa{%
10533             \the\LT@p@ftn
10534             \begingroup
10535                 \noexpand\c@footnote=\the\c@footnote\relax
10536                 \noexpand\protected@xdef\noexpand\@thefnmark{%
10537                     \noexpand\thempfn
10538                 }%
10539                 \noexpand\Hy@LT@LTRfootnotetext{%
10540                     \Hy@footnote@currentHref
10541                 }%
10542             }%
10543             \global\LT@p@ftn\expandafter{%
10544                 \@tempa{#1}%
10545             }%
10546         }%
10547     }%
10548     \long\def\Hy@LT@LTRfootnotetext#1#2{%
10549         \HLTR@@LTRfootnotetext{%
10550             \ifHy@nesting
10551                 \hyper@@anchor{#1}{#2}%
10552             \else
10553                 \Hy@raisedlink{%
10554                     \hyper@@anchor{#1}{\relax}%
10555                 }%
10556                 \def\@currentHref{#1}%
10557                 \let\@currentlabelname\@empty
10558                 #2%
10559             \fi
10560         }%
10561     }%
10562     \CheckCommand*{\LT@p@RTLfnttext}[1]{%
10563         \edef\@tempa{%
10564             \the\LT@p@ftn

```



```

10565     \noexpand\RTLfootnotetext[\the\c@footnote]%
10566   }%
10567   \global\LT@p@ftn\expandafter{\@tempa{#1}}%
10568 }%
10569 \long\def\LT@p@RTLftntext#1{%
10570   \edef\@tempa{%
10571     \the\LT@p@ftn
10572     \begingroup
10573       \noexpand\c@footnote=\the\c@footnote\relax
10574       \noexpand\protected@xdef\noexpand\@thefnmark{%
10575         \noexpand\thempfn
10576       }%
10577       \noexpand\Hy@LT@RTLfootnotetext{%
10578         \Hy@footnote@currentHref
10579       }%
10580   }%
10581   \global\LT@p@ftn\expandafter{%
10582     \@tempa{#1}%
10583   \endgroup
10584   }%
10585 }%
10586 \long\def\Hy@LT@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 \ifpackageloaded{bidipoem}{%
10602   \long\def\bidipoem@p@ftntext#1{%
10603     \edef\@tempx{%
10604       \the\bidipoem@p@ftn
10605       \begingroup
10606         \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
10607         \noexpand\protected@xdef\noexpand\@thefnmark{%
10608           \noexpand\thempfn
10609         }%
10610         \noexpand\Hy@bidipoem@footnotetext{%
10611           \Hy@footnote@currentHref
10612         }%
10613       }%
10614     \global\bidipoem@p@ftn\expandafter{%

```



```

10615         \@temp{#1}%
10616     \endgroup
10617 }%
10618 }%
10619 \long\def\Hy@bidipoem@footnotetext#1#2{%
10620     \H@@footnotetext{%
10621         \ifHy@nesting
10622             \hyper@@anchor{#1}{#2}%
10623         \else
10624             \Hy@raisedlink{%
10625                 \hyper@@anchor{#1}{\relax}%
10626             }%
10627             \def\@currentHref{#1}%
10628             \let\@currentlabelname\@empty
10629             #2%
10630         \fi
10631     }%
10632 }%
10633 \long\def\bidipoem@p@LTRftntext#1{%
10634     \edef\@tempxi{%
10635         \the\bidipoem@p@ftn
10636         \begingroup
10637             \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
10638             \noexpand\protected@xdef\noexpand\@thefnmark{%
10639                 \noexpand\thempfn
10640             }%
10641             \noexpand\Hy@bidipoem@LTRfootnotetext{%
10642                 \Hy@footnote@currentHref
10643             }%
10644         }%
10645         \global\bidipoem@p@ftn\expandafter{%
10646             \@tempxi{#1}%
10647         \endgroup
10648     }%
10649 }%
10650 \long\def\Hy@bidipoem@LTRfootnotetext#1#2{%
10651     \HLTR@@LTRfootnotetext{%
10652         \ifHy@nesting
10653             \hyper@@anchor{#1}{#2}%
10654         \else
10655             \Hy@raisedlink{%
10656                 \hyper@@anchor{#1}{\relax}%
10657             }%
10658             \def\@currentHref{#1}%
10659             \let\@currentlabelname\@empty
10660             #2%
10661         \fi
10662     }%
10663 }%
10664 \long\def\bidipoem@p@RTLftntext#1{%

```



```

10665 \edef\@tempxi{\%
10666 \the\bidipoem@p@ftn
10667 \begingroup
10668 \noexpand\csname c@\@mpfn\endcsname=\the\csname c@\@mpfn\endcsname\relax
10669 \noexpand\protected@xdef\noexpand\@thefnmark{\%
10670 \noexpand\thempfn
10671 }%
10672 \noexpand\Hy@bidipoem@RTLfootnotetext{\%
10673 \Hy@footnote@currentHref
10674 }%
10675 }%
10676 \global\bidipoem@p@ftn\expandafter{\%
10677 \@tempxi{#1}%
10678 \endgroup
10679 }%
10680 }%
10681 \long\def\Hy@bidipoem@RTLfootnotetext#1#2{\%
10682 \HRTL@RTLfootnotetext{\%
10683 \ifHy@nesting
10684 \hyper@anchor{#1}{#2}%
10685 \else
10686 \Hy@raisedlink{\%
10687 \hyper@anchor{#1}{\relax}%
10688 }%
10689 \def\@currentHref{#1}%
10690 \let\@currentlabelname\@empty
10691 #2%
10692 \fi
10693 }%
10694 }%
10695 }-%
10696 \let\HyOrg@maketitle\maketitle
10697 \def\maketitle{\%
10698 \let\Hy@saved@footnotemark\@footnotemark
10699 \let\Hy@saved@footnotetext\@footnotetext
10700 \let\HyRTL@saved@RTLfootnotetext\@RTLfootnotetext
10701 \let\HyLTR@saved@LTRfootnotetext\@LTRfootnotetext
10702 \let\@footnotemark\H@footnotemark
10703 \let\@footnotetext\H@footnotetext
10704 \let\@RTLfootnotetext\HRTL@RTLfootnotetext
10705 \let\@LTRfootnotetext\HLTR@LTRfootnotetext
10706 \@ifnextchar[\Hy@maketitle@optarg{\% ]
10707 \HyOrg@maketitle
10708 \Hy@maketitle@end
10709 }%
10710 }%
10711 \def\Hy@maketitle@optarg[#1]{\%
10712 \HyOrg@maketitle[{#1}]%
10713 \Hy@maketitle@end
10714 }%

```



```

10715 \def\Hy@maketitle@end{%
10716 \ifx\@footnotemark\H@@footnotemark
10717 \let\@footnotemark\Hy@saved@footnotemark
10718 \fi
10719 \ifx\@footnotetext\H@@footnotetext
10720 \let\@footnotetext\Hy@saved@footnotetext
10721 \fi
10722 \ifx\@RTLfootnotetext\HRTL@@RTLfootnotetext
10723 \let\@RTLfootnotetext\HyRTL@saved@RTLfootnotetext
10724 \fi
10725 \ifx\@LTRfootnotetext\HLTR@@LTRfootnotetext
10726 \let\@LTRfootnotetext\HyLTR@saved@LTRfootnotetext
10727 \fi
10728 }%
10729 \def\realfootnote{%
10730 \@ifnextchar[\@xfootnote{%
10731 \stepcounter{\@mpfn}%
10732 \protected@xdef\@thefnmark{\thempfn}%
10733 \H@@footnotemark\H@@footnotetext
10734 }%
10735 }%
10736 \fi
10737 \def\hyper@link#1#2#3{%
10738 \ifmmode\else\beginL\fi\hyper@linkstart{#1}{#2}\ifmmode\else\if@RTL\beginR\fi\fi#3\ifmmode\else\endL\fi
10739 }
10740 \def\url@#1{\beginL\hyper@linkurl{\Hurl{#1}}{#1}\endL}
10741 \def\hyper@natlinkstart#1{%
10742 \Hy@backout{#1}%
10743 \beginL\hyper@linkstart{cite}{cite.#1}\if@RTL\beginR\fi%
10744 \def\hyper@nat@current{#1}%
10745 }
10746 \def\hyper@natlinkend{%
10747 \if@RTL\endR\fi\hyper@linkend\endL
10748 }
10749 \def\hyper@natlinkbreak#1#2{%
10750 \if@RTL\endR\fi\hyper@linkend\endL#1\beginL\hyper@linkstart{cite}{cite.#2}\if@RTL\beginR\fi%
10751 }%
10752 }
10753 \begingroup
10754 \catcode`\$=6 %
10755 \catcode`\#=12 %
10756 \gdef\href@#1{\expandafter\href@split$1##\}%
10757 \gdef\href@split$1#2#3\\$4{%
10758 \beginL\hyper@@link{#1}{#2}{\if@RTL\beginR\fi$4\if@RTL\endR\fi}\endL%
10759 \endgroup
10760 }%
10761 \endgroup
10762 \pdfstringdefDisableCommands{%
10763 \let\LRE\@firstofone
10764 \let\LR\@firstofone

```



```

10765 \let\RLE\@firstofone
10766 \let\RL\@firstofone
10767 \def\XeTeX{Xe\TeX}
10768 \def\XeLaTeX{Xe\LaTeX}
10769 }
10770 \ifpackageloaded{longtable}{%
10771   \begingroup
10772     \def\y{\LT@array}%
10773     \@ifundefined{scr@LT@array}{%
10774       \@ifundefined{adl@LT@array}{\def\y{\adl@LT@array}}%
10775     }\def\y{\scr@LT@array}%
10776     \long\def\x\refstepcounter#1#2\sharp#3#4\@nil{%
10777       \expandafter\endgroup
10778       \expandafter\def\y[##1]##2{%
10779         \H@refstepcounter{#1}%
10780         \hyper@makecurrent{table}%
10781         \let\Hy@LT@currentHref\@currentHref
10782         #2\sharp####4%
10783       }%
10784     }%
10785     \expandafter\expandafter\expandafter\x\y[#{1}]{#2}\@nil
10786     \begingroup
10787       \def\x#1\ifvoid\LT@foot#2\fi#3\@nil{%
10788         \endgroup
10789         \def\LT@start{%
10790           #1%
10791           \ifvoid\LT@foot#2\fi
10792           \let\@currentHref\Hy@LT@currentHref
10793           \Hy@raisedlink{%
10794             \hyper@anchorstart{\@currentHref}\hyper@anchorend
10795           }%
10796           #3%
10797         }%
10798       }%
10799     \expandafter\x\LT@start\@nil
10800 }{}

```

7.69 legno-xetex-bidi.def

```

10801 \ProvidesFile{legno-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for legno tag for XeTeX engi
10802 \renewcommand\@eqnnum{\hb@xt@.01\p@{}}%
10803         \rlap{
10804           \hskip -\displaywidth{\normalfont\normalcolor\if@RTL\beginR\fi(\theequation)\i

```

7.70 letter-xetex-bidi.def

```

10805 \ProvidesFile{letter-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for standard letter class
10806 \renewcommand*{\opening}[1]{\ifx\@empty\fromaddress
10807   \thispagestyle{firstpage}%
10808   {\if@RTL\raggedright\else\raggedleft\fi\@date\par}%
10809   \else % home address

```




```

10810 \thispagestyle{empty}%
10811 {\if@RTL\raggedright\else\raggedleft\fi\if@RTL\begin{tabular}{r@{}}\else\begin{tabular}{l@{}}
10812 \fromaddress \*[2\parskip]%
10813 \@date \end{tabular}\par}%
10814 \fi
10815 \vspace{2\parskip}%
10816 {\if@RTL\raggedleft\else\raggedright\fi \toname \ \ \toaddress \par}%
10817 \vspace{2\parskip}%
10818 #1\par\nobreak}
10819 \renewcommand\left@footnoterule{%
10820 \kern-\p@
10821 \hrule \@width .4\columnwidth
10822 \kern .6\p@}
10823 \renewcommand\right@footnoterule{%
10824 \hbox to \columnwidth
10825 {\beginR \vbox{%
10826 \kern-\p@
10827 \hrule \@width .4\columnwidth
10828 \kern .6\p@}\hfil\endR}}

```

7.71 lettrine-xetex-bidi.def

```

10829 \ProvidesFile{lettrine-xetex-bidi.def}[2014/09/19 v0.4 bidi adaptations for lettrine package for
10830 \def\@lettrine[#1]#2#3{%
10831 \setcounter{L@lines}{\theDefaultLines}%
10832 \setcounter{L@depth}{\theDefaultDepth}%
10833 \renewcommand*{\L@hang}{\DefaultLhang}%
10834 \renewcommand*{\L@oversize}{\DefaultLoversize}%
10835 \renewcommand*{\L@raise}{\DefaultLraise}%
10836 \renewcommand*{\L@ante}{}%
10837 \setlength{\L@Findent}{\DefaultFindent}%
10838 \setlength{\L@Nindent}{\DefaultNindent}%
10839 \setlength{\L@slope}{\DefaultSlope}%
10840 \ifLettrineImage\L@imagetrue\else\L@imagefalse\fi
10841 \if\DefaultOptionsFile\relax
10842 \else
10843 \begingroup
10844 \InputIfFileExists{\DefaultOptionsFile}%
10845 {}%
10846 {\PackageWarning{lettrine.sty}%
10847 {File \DefaultOptionsFile\space not found}%
10848 }%
10849 \def\color##1##{\l@color{##1}}%
10850 \let\l@color\@gobbletwo
10851 \def\textcolor##1##{\l@textcolor{##1}}%
10852 \def\l@textcolor##1##2##3{##3}%
10853 \expandafter\ifx\csname l@#2-keys\endcsname\relax
10854 \gdef\l@LOKeys{%
10855 \else
10856 \xdef\l@LOKeys{\csname l@#2-keys\endcsname}%

```



```

10857         \fi
10858     \endgroup
10859     \def\KV@prefix{KV@L@}%
10860     \let\@tempc\relax
10861     \expandafter\KV@do\l@L@Keys,\relax,
10862     \sbox{\L@lbox}{\LettrineFont #2}%
10863     \setlength{\LettrineWidth}{\wd\L@lbox}%
10864     \def\KV@prefix{KV@L@}%
10865     \let\@tempc\relax
10866     \expandafter\KV@do\l@L@Keys,\relax,
10867     \fi
10868     \setkeys{L}{#1}%
10869     \ifL@image
10870         \sbox{\L@lbox}{\LettrineFontEPS{#2}}%
10871     \else
10872         \sbox{\L@lbox}{\LettrineFont #2}%
10873     \fi
10874     \sbox{\L@tbox}{\LettrineTextFont{#3}}%
10875     \@tempdima=\baselineskip
10876     \ifnum\theL@lines=1
10877         \setlength{\L@first}{\ht\L@lbox}%
10878         \addtolength{\L@first}{-\ht\L@tbox}%
10879         \setlength{\L@lraise}{\z@}%
10880     \else
10881         \setlength{\L@first}{-\theL@lines\@tempdima}%
10882         \addtolength{\L@first}{\@tempdima}%
10883         \sbox{\@tempboxa}{\LettrineTextFont x}%
10884         \addtolength{\L@first}{-\ht\@tempboxa}%
10885         \setlength{\L@lraise}{-\L@raise\L@first}%
10886         \addtolength{\L@first}{\L@lraise}%
10887         \addtolength{\L@first}{\ht\L@lbox}%
10888         \addtolength{\L@lraise}{-\theL@lines\@tempdima}%
10889         \addtolength{\L@lraise}{\@tempdima}%
10890     \fi
10891     \par
10892     \ifdim\L@first>0.2\p@\vskip\L@first\fi
10893     \setlength{\L@Pindent}{\wd\L@lbox}%
10894     \addtolength{\L@Pindent}{-\L@hang\wd\L@lbox}%
10895     \settowidth{\L@first}{\L@ante}%
10896     \addtolength{\L@Pindent}{\L@first}%
10897     \addtolength{\L@Pindent}{\L@Findent}%
10898     \setlength{\L@first}{\linewidth}%
10899     \addtolength{\L@first}{-\L@Pindent}%
10900     \addtolength{\L@Nindent}{\L@Pindent}%
10901     \setlength{\L@next}{\linewidth}%
10902     \addtolength{\L@next}{-\L@Nindent}%
10903     \addtolength{\L@Pindent}{\rightmargin}%
10904     \addtolength{\L@Nindent}{\rightmargin}%
10905     \setlength{\LettrineWidth}{\wd\L@lbox}%
10906     \setlength{\LettrineHeight}{\ht\L@lbox}%

```



```

10907 \setlength{\LettrineDepth}{\dp\L@lbox}%
10908 \addtocounter{L@lines}{1}%
10909 \addtocounter{L@lines}{\the\c@L@depth}%
10910 \ifRTL\def\L@parshape{\c@L@lines Opt \the\L@first}\else\def\L@parshape{\c@L@lines \the\L@Pin
10911 \@tempcnta=\tw@
10912 \@whilenum \@tempcnta<\c@L@lines\do{%
10913 \ifRTL\edef\L@parshape{\L@parshape Opt \the\L@next}\else\edef\L@parshape{\L@parshape \the\
10914 \addtolength{\L@Nindent}{\L@slope}%
10915 \addtolength{\L@next}{-\L@slope}%
10916 \advance\@tempcnta\@ne}%
10917 \ifRTL\edef\L@parshape{\L@parshape Opt \the\linewidth}\else\edef\L@parshape{\L@parshape \rig
10918 \noindent
10919 \parshape=\L@parshape\relax
10920 \smash{\llap{\mbox{\L@ante}\raisebox{\L@lraise}{\usebox{\L@lbox}}}%
10921 \hskip \the\L@Findent}}%
10922 \usebox{\L@tbox}%
10923 }

```

7.72 listings-xetex-bidi.def

```

10924 \ProvidesFile{listings-xetex-bidi.def}[2014/07/19 v0.6 bidi adaptations for listings package for
10925 \lst@Key{captiondirection}{textdirection}{%
10926 \lstKV@SwitchCases{#1}%
10927 {textdirection&\%
10928 RTL&\chardef\bidi@lst@caption@direction\@ne\%
10929 LTR&\chardef\bidi@lst@caption@direction\z@%
10930 }{\PackageError{Listings}{direction #1 unknown}\@ehc}}
10931 \newcommand*{\bidi@lst@ensure@caption@direction}[2]{%
10932 \ifundefined{bidi@lst@caption@direction}{\%
10933 \ifnum\bidi@lst@caption@direction=\z@%
10934 #1%
10935 \else%
10936 \ifnum\bidi@lst@caption@direction=\@ne%
10937 #2%
10938 \fi%
10939 \fi%
10940 }}
10941 \long\def\@bidi@lst@makecaption#1#2{%
10942 \vskip\abovcaptionskip
10943 \bidi@lst@ensure@caption@direction{\@RTLfalse}{\@RTLtrue}%
10944 \sbox\@tempboxa{%
10945 \bidi@lst@ensure@caption@direction{\beginL}{\beginR}%
10946 #1: #2%
10947 \bidi@lst@ensure@caption@direction{\endL}{\endR}%
10948 }%
10949 \ifdim \wd\@tempboxa >\hsize
10950 #1: #2\par
10951 \else
10952 \global \@minipagefalse
10953 \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%

```



```

10954 \fi
10955 \vskip\belowcaptionskip}%
10956 \def\lst@makecaption{\@bidi@lst@makecaption}
10957 \def\lst@maketitle{\@bidi@lst@makecaption\lst@title@dropdelim}
10958 \AtBeginDocument{%
10959 \@ifundefined{captionlabelfalse}{\fi}%
10960 \def\lst@maketitle{\captionlabelfalse\@bidi@lst@makecaption\@empty}}%
10961 \@ifundefined{caption@startrue}{\fi}%
10962 \def\lst@maketitle{\caption@startrue\@bidi@lst@makecaption\@empty}}%
10963 }
10964 \AtBeginDocument{
10965 \@ifundefined{thechapter}{\let\lst@ifnumberbychapter\iffalse}{\fi}
10966 \lst@ifnumberbychapter
10967 \gdef\thelstlisting%
10968 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@lstlisting}
10969 \else
10970 \gdef\thelstlisting{\@arabic\c@lstlisting}
10971 \fi}

```

7.73 loadingorder-xetex-bidi.def

```

10972 \ProvidesFile{loadingorder-xetex-bidi.def}[2013/05/22 v0.95 making sure that bidi is the last pac
10973 \bidi@isloaded{amsmath}
10974 \bidi@isloaded{amstext}
10975 \bidi@isloaded{amsthm}
10976 \bidi@isloaded{breqn}
10977 \bidi@isloaded{cals}
10978 \bidi@isloaded{caption}
10979 \bidi@isloaded{crop}
10980 \bidi@isloaded{cuted}
10981 \bidi@isloaded{cutwin}
10982 \bidi@isloaded{color}
10983 \bidi@isloaded{dblfnote}
10984 \bidi@isloaded{xcolor}
10985 \bidi@isloaded{colortbl}
10986 \bidi@isloaded{float}
10987 \bidi@isloaded{floatrow}
10988 \bidi@isloaded{flowfram}
10989 \bidi@isloaded{framed}
10990 \bidi@isloaded{ftnright}
10991 \bidi@isloaded{xltextra}
10992 \bidi@isloaded{xunicode}
10993 \bidi@isloaded{wrapfig}
10994 \bidi@isloaded{graphicx}
10995 \bidi@isloaded{geometry}
10996 \bidi@isloaded{hvfloat}
10997 \bidi@isloaded{mdframed}
10998 \bidi@isloaded{midfloat}
10999 \bidi@isloaded{nththeorem}
11000 \bidi@isloaded{nththeorem-hyper}

```



```

11001 \bidi@isloaded{hyperref}
11002 \bidi@isloaded{fancybox}
11003 \bidi@isloaded{fancyhdr}
11004 \bidi@isloaded{fix2col}
11005 \bidi@isloaded{draftwatermark}
11006 \bidi@isloaded{empheq}
11007 \bidi@isloaded{pdfpages}
11008 \bidi@isloaded{listings}
11009 \bidi@isloaded{lettrine}
11010 \bidi@isloaded{pstricks}
11011 \bidi@isloaded{pgf}
11012 \bidi@isloaded{picinpar}
11013 \bidi@isloaded{quotchap}
11014 \bidi@isloaded{tikz}
11015 \bidi@isloaded{titlesec}
11016 \bidi@isloaded{titletoc}
11017 \bidi@isloaded{array}
11018 \bidi@isloaded{stabular}
11019 \bidi@isloaded{subfig}
11020 \bidi@isloaded{subfigure}
11021 \bidi@isloaded{supertabular}
11022 \bidi@isloaded{xtab}
11023 \bidi@isloaded{longtable}
11024 \bidi@isloaded{arydshln}
11025 \bidi@isloaded{multicol}
11026 \bidi@isloaded{multienum}
11027 \bidi@isloaded{minitoc}
11028 \bidi@isloaded{natbib}
11029 \bidi@isloaded{newfloat}
11030 \bidi@isloaded{ragged2e}
11031 \bidi@isloaded{rotating}
11032 \bidi@isloaded{tabls}
11033 \bidi@isloaded{tabulary}
11034 \bidi@isloaded{tocstyle}
11035 \bidi@isloaded{tocbibind}
11036 \bidi@isloaded{fontspec}
11037 \bidi@isloaded{arabxetex}
11038 \bidi@isloaded{polyglossia}
11039 \bidi@isloaded{fancyvrb}
11040 \AtBeginDocument{
11041   \if@bidi@amsmathloaded@ \else
11042     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsmath after bidi package. P
11043   \fi%
11044   \if@bidi@amstextloaded@ \else
11045     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amstext after bidi package. P
11046   \fi%
11047   \if@bidi@amsthmloaded@ \else
11048     \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package amsthm after bidi package. P
11049   \fi%
11050   \if@bidi@breqnloaded@ \else

```



```

11051 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package breqn after bidi package. Plea
11052 \fi%
11053 \if@bidi@calsloaded@else
11054 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cals after bidi package. Plea
11055 \fi%
11056 \if@bidi@captionloaded@else
11057 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package caption after bidi package. P
11058 \fi%
11059 \if@bidi@croploaded@else
11060 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package crop after bidi package. Plea
11061 \fi%
11062 \if@bidi@colorloaded@else
11063 \@ifpackageloaded{hyperref}{}{%
11064 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package color after bidi package. Ple
11065 \fi%
11066 \if@bidi@cutwinloaded@else
11067 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cutwin after bidi package. Pl
11068 \fi%
11069 \if@bidi@cutedloaded@else
11070 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package cuted after bidi package. Ple
11071 \fi%
11072 \if@bidi@dblfnoteloaded@else
11073 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package dblfnote after bidi package.
11074 \fi%
11075 \if@bidi@xcolorloaded@else
11076 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xcolor after bidi package. Pl
11077 \fi%
11078 \if@bidi@colortblloaded@else
11079 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package colortbl after bidi package.
11080 \fi%
11081 \if@bidi@floatloaded@else
11082 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package float after bidi package. Ple
11083 \fi%
11084 \if@bidi@floatrowloaded@else
11085 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package floatrow after bidi package.
11086 \fi%
11087 \if@bidi@flowframloaded@else
11088 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package flowfram after bidi package.
11089 \fi%
11090 \if@bidi@framedloaded@else
11091 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package framed after bidi package. Pl
11092 \fi%
11093 \if@bidi@ftnrightloaded@else
11094 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ftnright after bidi package.
11095 \fi%
11096 \if@bidi@xltxtraloaded@else
11097 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xltxtra after bidi package. P
11098 \fi%
11099 \if@bidi@xunicodeloaded@else
11100 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xunicode after bidi package.

```



```

11101 \fi%
11102 \if@bidi@wrapfigloaded@else
11103 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package wrapfig after bidi package. P
11104 \fi%
11105 \if@bidi@graphicxloaded@else
11106 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package graphicx after bidi package.
11107 \fi%
11108 \if@bidi@geometryloaded@else
11109 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package geometry after bidi package.
11110 \fi%
11111 \if@bidi@hvfloatloaded@else
11112 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hvfloat after bidi package. P
11113 \fi%
11114 \if@bidi@mdframedloaded@else
11115 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package mdframed after bidi package.
11116 \fi%
11117 \if@bidi@midfloatloaded@else
11118 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package midfloat after bidi package.
11119 \fi%
11120 \if@bidi@ntheoremloaded@else
11121 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ntheorem after bidi package.
11122 \fi%
11123 \if@bidi@hyperrefloaded@else
11124 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package hyperref after bidi package.
11125 \fi%
11126 \if@bidi@fancyboxloaded@else
11127 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancybox after bidi package.
11128 \fi%
11129 \if@bidi@fancyhdrloaded@else
11130 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyhdr after bidi package.
11131 \fi%
11132 \if@bidi@draftwatermarkloaded@else
11133 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package draftwatermark after bidi pac
11134 \fi%
11135 \if@bidi@empheqloaded@else
11136 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package empheq after bidi package. PL
11137 \fi%
11138 \if@bidi@pdfpagesloaded@else
11139 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pdfpages after bidi package.
11140 \fi%
11141 \if@bidi@lettrineloaded@else
11142 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package lettrine after bidi package.
11143 \fi%
11144 \if@bidi@listingsloaded@else
11145 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package listings after bidi package.
11146 \fi%
11147 \if@bidi@pstricksloaded@else
11148 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pstricks after bidi package.
11149 \fi%
11150 \if@bidi@pgfloaded@else

```



```

11151 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package pgf after bidi package. Pleas
11152 \fi%
11153 \if@bidi@picinparloaded@else
11154 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package picinpar after bidi package.
11155 \fi%
11156 \if@bidi@quotchaploaded@else
11157 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package quotchap after bidi package.
11158 \fi%
11159 \if@bidi@tikzloaded@else
11160 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tikz after bidi package. Plea
11161 \fi%
11162 \if@bidi@titlesecloaded@else
11163 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titlesec after bidi package.
11164 \fi%
11165 \if@bidi@titletocloaded@else
11166 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package titletoc after bidi package.
11167 \fi%
11168 \if@bidi@arrayloaded@else
11169 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package array after bidi package. Ple
11170 \fi%
11171 \if@bidi@stabularloaded@else
11172 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package stabular after bidi package.
11173 \fi%
11174 \if@bidi@subfigloaded@else
11175 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfig after bidi package. Pl
11176 \fi%
11177 \if@bidi@subfigureloaded@else
11178 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package subfigure after bidi package.
11179 \fi%
11180 \if@bidi@supertabularloaded@else
11181 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package supertabular after bidi packa
11182 \fi%
11183 \if@bidi@xtabloaded@else
11184 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package xtab after bidi package. Plea
11185 \fi%
11186 \if@bidi@longtableloaded@else
11187 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package longtable after bidi package.
11188 \fi%
11189 \if@bidi@arydshlnloaded@else
11190 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arydshln after bidi package.
11191 \fi%
11192 \if@bidi@multicolloaded@else
11193 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multicol after bidi package.
11194 \fi%
11195 \if@bidi@multienumloaded@else
11196 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package multienum after bidi package.
11197 \fi%
11198 \if@bidi@minitocloaded@else
11199 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package minitoc after bidi package. P
11200 \fi%

```




```

11201 \if@bidi@natbibloaded@\else
11202 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package natbib after bidi package. Pl
11203 \fi%
11204 \if@bidi@newfloatloaded@\else
11205 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package newfloat after bidi package.
11206 \fi%
11207 \csname if@bidi@ragged2loaded@\endcsname\else
11208 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package ragged2e after bidi package.
11209 \fi%
11210 \if@bidi@rotatingloaded@\else
11211 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package rotating after bidi package.
11212 \fi%
11213 \if@bidi@tabloaded@\else
11214 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabs after bidi package. Ple
11215 \fi%
11216 \if@bidi@tabularyloaded@\else
11217 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tabulary after bidi package.
11218 \fi%
11219 \if@bidi@tocstyleloaded@\else
11220 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocstyle after bidi package.
11221 \fi%
11222 \if@bidi@tocbibindloaded@\else
11223 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package tocbibind after bidi package.
11224 \fi%
11225 \if@bidi@fontspecloaded@\else
11226 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fontspec after bidi package.
11227 \fi%
11228 \if@bidi@arabxetexloaded@\else
11229 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package arabxetex after bidi package.
11230 \fi%
11231 \if@bidi@polyglossialoaded@\else
11232 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package polyglossia after bidi packag
11233 \fi%
11234 \if@bidi@fancyvrbloaded@\else
11235 \bidi@isloaded[\PackageError{bidi}{Oops! you have loaded package fancyvrb after bidi package.
11236 \fi%
11237 }

```

7.74 longtable-xetex-bidi.def

```

11238 \ProvidesFile{longtable-xetex-bidi.def}[2013/04/01 v0.3 bidi adaptations for longtable package f
11239 \def\LT@array[#1]#2{%
11240 \refstepcounter{table}\stepcounter{LT@tables}%
11241 \if l#1%
11242 \if@RTLtab\LTleft\fill \LTright\z@\else\LTleft\z@ \LTright\fill\fi
11243 \else\if r#1%
11244 \if@RTLtab\LTleft\z@ \LTright\fill\else\LTleft\fill \LTright\z@\fi
11245 \else\if c#1%
11246 \LTleft\fill \LTright\fill
11247 \fi\fi\fi

```



```

11248 \let\LT@mccl\multicolumn
11249 \let\LT@ctabarray\@tabarray
11250 \let\LT@chl\hline
11251 \def\@tabarray{%
11252   \let\hline\LT@chl
11253   \LT@ctabarray}%
11254 \let\\LT@tabularcr\let\tabularnewline\\%
11255 \def\newpage{\noalign{\break}}%
11256 \def\pagebreak{\noalign{\ifnum`}=0\fi\@testopt{\LT@no@pgbk-}4}%
11257 \def\nopagebreak{\noalign{\ifnum`}=0\fi\@testopt\LT@no@pgbk4}%
11258 \let\hline\LT@hline \let\kill\LT@kill\let\caption\LT@caption
11259 \@tempdima\ht\strutbox
11260 \let\@endpbox\LT@endpbox
11261 \ifx\extrarowheight\@undefined
11262   \let\@acol\@tabacol
11263   \let\@classz\@tabclassz \let\@classiv\@tabclassiv
11264   \def\@startpbox{\vtop\LT@startpbox}%
11265   \let\@@startpbox\@startpbox
11266   \let\@@endpbox\@endpbox
11267   \let\LT@LL@FM@cr\@tabularcr
11268 \else
11269   \advance\@tempdima\extrarowheight
11270   \col@sep\tabcolsep
11271   \let\@startpbox\LT@startpbox\let\LT@LL@FM@cr\@arraycr
11272 \fi
11273 \setbox\@arstrutbox\hbox{\vrule
11274   \@height \arraystretch \@tempdima
11275   \@depth \arraystretch \dp \strutbox
11276   \@width \z@}%
11277 \let\@sharp#\let\protect\relax
11278 \begingroup
11279 \mkpream{#2}%
11280 \xdef\LT@bchunk{%
11281   \global\advance\c@LT@chunks\@ne
11282   \global\LT@rows\z@\setbox\z@\vbox\bgroup
11283   \LT@setprevdepth
11284   \tabskip\LTleft \noexpand\halign to\hsize\bgroup
11285   \tabskip\z@ \@arstrut \@preamble \tabskip\LTright \cr}%
11286 \endgroup
11287 \expandafter\LT@nofcols\LT@bchunk&\LT@nofcols
11288 \LT@make@row
11289 \m@th\let\par\@empty
11290 \everycr{}\lineskip\z@ \baselineskip\z@
11291 \LT@bchunk}
11292 \def\LT@makecaption#1#2#3{%
11293   \LT@mccl\LT@cols c{\hbox to\z@{\hss\parbox[t]\LT@capwidth{%
11294     \sbox\@tempboxa{\if@RTL\beginR\fi#1{#2: }#3\if@RTL\endR\fi}%
11295     \ifdim\wd\@tempboxa>\hsize
11296       #1{#2: }#3%
11297   \else

```



```

11298 \hbox to\hsize{\hfil\box\@tempboxa\hfil}%
11299 \fi
11300 \endgraf\vskip\baselineskip}%
11301 \hss}}
11302 \def\LT@startpbox#1{%
11303 \bgroup
11304 \let\@footnotetext\LT@p@ftntext
11305 \let\@LTRfootnotetext\LT@p@LTRftntext
11306 \let\@RTLfootnotetext\LT@p@RTLftntext
11307 \setlength\hsize{#1}%
11308 \arrayparboxrestore
11309 \vrule \@height \ht\@arstrutbox \@width \z@}
11310 \def\LT@p@LTRftntext#1{%
11311 \edef\@tempa{\the\LT@p@ftn\noexpand\LTRfootnotetext[\the\c@footnote]}}%
11312 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%
11313 \def\LT@p@RTLftntext#1{%
11314 \edef\@tempa{\the\LT@p@ftn\noexpand\RTLfootnotetext[\the\c@footnote]}}%
11315 \global\LT@p@ftn\expandafter{\@tempa{#1}}}%

```

7.75 mdframed-xetex-bidi.def

```

11316 \ProvidesFile{mdframed-xetex-bidi.def}[2013/09/22 v0.4 bidi adaptations for mdframed package for
11317 \newif\if@bidi@mdf@RTL
11318 \def\mdf@lrbox#1{%
11319 \mdf@patchamsthm%patch amsthm
11320 \if@RTL\@bidi@mdf@RTLtrue\fi%
11321 \@RTLfalse%
11322 \setbox#1\vbox\bgroup%
11323 \color@begingroup%
11324 \if@bidi@mdf@RTL\@RTLtrue\fi%
11325 \mdf@horizontalmargin@equation%
11326 \columnwidth=\hsize%
11327 \textwidth=\hsize%
11328 \let\if@nobreak\iffalse%
11329 \let\if@noskipsec\iffalse%
11330 \let\par\@par%
11331 \let\-\@dischyph%
11332 \let\'@acci\let\`@accii\let\=@acciii%
11333 \parindent\z@ \parskip\z@skip%
11334 \linewidth\hsize%
11335 \@totalleftmargin\z@%
11336 \leftskip\z@skip \rightskip\z@skip \@rightskip\z@skip%
11337 \parfillskip\@flushglue \lineskip\normallineskip%
11338 \baselineskip\normalbaselineskip%
11339 %% \sloppy%
11340 \let\\\@normalcr%
11341 \mdf@par@local%New feature to restore parskip/parindent local in save box
11342 \ifbool{mdf@suppressfirstparskip}{\vspace*{-\parskip}}{}%
11343 \@afterindentfalse%
11344 %\@afterheading%

```



```

11345 }
11346 \renewrobustcmd\mdfframedtitleenv[1]{%
11347   \mdf@lrbox{\mdf@frametitlebox}%
11348   \mdf@frametitlealignment%
11349   \leavevmode{\color{\mdf@frametitlefontcolor}%
11350     \normalfont\mdf@frametitlefont{#1}}
11351   \ifbool{mdf@ignorelastdescenders}%
11352     {%
11353       \par\strut\par
11354       \unskip\unskip\setbox0=\lastbox
11355       \vspace*{\dimexpr\ht\strutbox-\baselineskip\relax}%
11356     }{}}%
11357 \par\unskip\ifvmode\nointerlineskip\hrule \@height\z@ \@width\hsize\fi%%
11358 \endmdf@lrbox\relax%
11359 \mdf@ignorevbadness%
11360 \setbox\mdf@frametitlebox=\vbox{\unvbox\mdf@frametitlebox}%
11361 \mdfframetitleboxwidth=\wd\mdf@frametitlebox\relax%
11362 \mdfframetitleboxheight=\ht\mdf@frametitlebox\relax%
11363 \mdfframetitleboxdepth=\dp\mdf@frametitlebox\relax%
11364 \mdfframetitleboxtotalheight=\dimexpr
11365   \ht\mdf@frametitlebox
11366   +\dp\mdf@frametitlebox%
11367   +\mdf@frametitleaboveskip@length
11368   +\mdf@frametitlebelowskip@length
11369   \relax%
11370 }
11371
11372 \renewrobustcmd*\mdf@footnoteoutput{%
11373   \ifvoid\@mpfootins\else%
11374     \nobreak%
11375     \vskip\mdf@footnotedistance@length%
11376     \normalcolor%
11377     \bidi\@mpfootnoterule%
11378     \unvbox\@mpfootins%
11379   \fi%
11380 }
11381
11382
11383 \renewrobustcmd*\mdf@footnoteinput{%
11384   \def\@mpfn{mpfootnote}%
11385   \def\thempfn{\thempfootnote}%
11386   \c@mpfootnote\z@%
11387   \let\@footnotetext\@mpfootnotetext%
11388   \let\@LTRfootnotetext\@mpLTRfootnotetext%
11389   \let\@RTLfootnotetext\@mpRTLfootnotetext%
11390 }

```

7.76 memoir-xetex-bidi.def

11391 \ProvidesFile{memoir-xetex-bidi.def}[2010/07/25 v0.5 bidi adaptations for memoir class for XeTeX]



```

11392 \renewcommand{\keepthetitle}{%
11393   \@bsmtitleempty
11394   \global\let\thanks\relax
11395   \global\let\LTRthanks\relax
11396   \global\let\RTLthanks\relax
11397   \global\let\and\relax
11398   \global\let\andnext\relax
11399   \global\let\@thanks\@empty
11400   \global\let\@title\@empty
11401   \global\let\@author\@empty
11402   \global\let\@date\@empty}
11403 \renewcommand{\maketitle}{\par
11404   \begingroup
11405     \@bsmarkseries
11406     \def\@makefnmark{\@textsuperscript{%
11407       \normalfont\@bsthanksheadpre \tamark \@bsthanksheadpost}}}%
11408     \long\def\@makefntext##1{\makethanksmark ##1}
11409     \if@twocolumn
11410       \ifnum \col@number=\@ne
11411         \@maketitle
11412       \else
11413         \twocolumn[\@maketitle]%
11414       \fi
11415     \else
11416       \ifdim\pagetotal>\z@
11417         \newpage
11418       \fi
11419       \global\@topnum\z@
11420       \@maketitle
11421     \fi
11422     \thispagestyle{title}\@thanks
11423   \endgroup
11424   \@bscontmark % \setcounter{footnote}{0}%
11425 }
11426 \renewcommand*{\memRTLleftskip}{\if@RTL\righskip\else\leftskip\fi}
11427 \renewcommand*{\memRTLrightskip}{\if@RTL\leftskip\else\righskip\fi}
11428 \renewcommand*{\memRTLvleftskip}{\if@RTL\vrightskip\else\vleftskip\fi}
11429 \renewcommand*{\memRTLvrightskip}{\if@RTL\vleftskip\else\vrightskip\fi}
11430 \renewcommand*{\memRTLraggedright}{\if@RTL\raggedleft\else\raggedright\fi}
11431 \renewcommand*{\memRTLraggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
11432 \renewcommand*{\thesection}{\thechapter\@SepMark\@arabic\c@section}
11433 \renewcommand*{\thesubsection}{%
11434   \thesection\@SepMark\@arabic\c@subsection}
11435 \renewcommand*{\thesubsubsection}{%
11436   \thesubsection\@SepMark\@arabic\c@subsubsection}
11437 \renewcommand*{\theparagraph}{%
11438   \thesubsubsection\@SepMark\@arabic\c@paragraph}
11439 \renewcommand*{\thesubparagraph}{%
11440   \theparagraph\@SepMark\@arabic\c@subparagraph}
11441 \renewcommand{\setthesection}{\thechapter\@SepMark\Alph{section}}

```



```

11442 \renewcommand{\theequation}{%
11443   \ifnum \c@chapter>z@ \thechapter\@SepMark\fi \@arabic\c@equation}
11444 \renewcommand{\thefigure}{\thechapter\@SepMark\@arabic\c@figure}
11445 \renewcommand{\thetable}{\thechapter\@SepMark\@arabic\c@table}
11446 \ifartopt
11447   \chapterstyle{article}
11448   \counterwithout{figure}{chapter}
11449   \counterwithout{table}{chapter}
11450   \counterwithout{footnote}{chapter}
11451   \counterwithout{equation}{chapter}
11452   \renewcommand{\chaptername}{ }
11453   \renewcommand{\maketitlehookb}{%
11454     \vskip -1.5\topsep\vskip -1.5\partopsep}
11455   \renewcommand{\maketitlehookc}{%
11456     \vskip -1.5\topsep\vskip -1.5\partopsep}
11457 \fi
11458 \long\def\@makecaption#1#2{\let\@memtempa\relax
11459   \ifdim\prevdepth>-99\p@ \vskip\abovecaptionskip
11460   \else \def\@memtempa{\vbox to\topskip{}}\fi
11461   \let\@contfnote\footnote \renewcommand{\footnote}[2] [] {}
11462   \let\@contfmark\footnotemark \renewcommand{\footnotemark}[1] [] {}
11463   \sbox\@tempboxa{\@contnfont #1\@contdelim \@conttfont #2\@contfinal}
11464   \let\footnote\@contfnote
11465   \let\footnotemark\@contfmark
11466   \ifdim\wd\@tempboxa<\linewidth \centering \fi
11467   \if@contcw
11468     \centering
11469     \parbox{\@contcwidth}{%
11470       \ifdim\wd\@tempboxa<\@contcwidth \centering \fi
11471     \fi
11472   \ifdim\wd\@tempboxa<\linewidth
11473     \@contpre
11474     {\@contnfont #1\@contdelim}\@memtempa
11475     {\@contcshortstyle \@conttfont #2\@contfinal\par}
11476   \else
11477     \if@conthang
11478       \sbox\@tempboxa{\@contnfont #1\@contdelim}
11479       \@contpre%
11480       {\@contcstyle\hangindent=\wd\@tempboxa
11481         \noindent\box\@tempboxa\@memtempa \@conttfont #2\@contfinal\par}
11482     \else
11483       \if@contindent
11484         \@contpre%
11485         {\@contnfont #1\@contdelim}\@memtempa
11486         {\@contcstyle\hangindent=\@contindw
11487           \hangafter=\@ne\@conttfont #2\@contfinal\par}% <- v1.4
11488       \else
11489         \@contpre%
11490         {\@contnfont #1\@contdelim}\@memtempa
11491         {\@contcstyle \@conttfont #2\@contfinal\par}

```



```

11492     \fi
11493   \fi
11494 \fi
11495 \@contpost
11496 \if@contcw
11497   \par
11498 } % end of the \parbox
11499 \fi
11500 \vskip\belowcaptionskip}
11501 \@ifpackageloaded{caption}{%
11502 \AtBeginPackage{caption}{
11503 \ClassWarningNoLine{memoir}{%
11504 You are using the caption package with the memoir \MessageBreak
11505 class. This may cause unexpected or inconsistent \MessageBreak
11506 results if you use any of memoir's captioning facilities}
11507
11508 \long\def\@makecaption##1##2{%
11509   \vskip\abovcaptionskip
11510   \sbox\@tempboxa{\if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi}%
11511   \ifdim \wd\@tempboxa >\hsize
11512     \if@RTL\beginR\fi##1: ##2\if@RTL\endR\fi\par
11513   \else
11514     \global \@minipagefalse
11515     \hb@xt@\hsize{\hfil\box\@tempboxa\hfil}%
11516   \fi
11517   \vskip\belowcaptionskip}
11518
11519 \def\caption{%
11520   \ifx\@capytype\@undefined
11521     \@latex@error{\noexpand\caption outside float}\@ehd
11522     \expandafter\@gobble
11523   \else
11524     \refstepcounter\@capytype
11525     \expandafter\@firstofone
11526   \fi
11527   {\@dblarg{\@caption\@capytype}}%
11528 }
11529
11530 \long\def\@caption##1[##2]##3{%
11531   \par
11532   \addcontentsline{\csname ext###1\endcsname}{##1}%
11533     {\protect\numberline{\csname the##1\endcsname}{\ignorespaces ##2}}%
11534   \begingroup
11535     \@parboxrestore
11536     \if@minipage
11537       \setminipage
11538     \fi
11539     \normalsize
11540     \@makecaption{\csname fnum###1\endcsname}{\ignorespaces ##3}\par
11541   \endgroup}

```



```

11542 }}{}
11543 \renewenvironment{thebibliography}[1]{%
11544   \bibsection
11545   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11546   \begin{bibitemlist}{#1}}{\end{bibitemlist}}\postbibhook}

```

7.77 midfloat-xetex-bidi.def

```

11547 \ProvidesFile{midfloat-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for midfloat package for
11548 \def\RTL@outputdblcol{%
11549   \if@firstcolumn
11550     \global \@firstcolumnfalse
11551     \global \setbox\@leftcolumn \box\@outputbox
11552     \global\c@colht\@colht\global\c@addvipersep\z@
11553     \ifnum\jua@sk>0
11554       \remove@strip\jua@sar
11555       \global\@colht\the\jua@pr
11556       \ifdim\right@cor>\z@
11557         \global\advance\@colht by\right@cor
11558       \fi
11559       \global\advance\@colht by\cor@height
11560       \global\cor@height=0pt
11561     \fi
11562     \global \setbox\@rightcolumn \vbox{}%
11563   \else
11564     \ifdim\c@colht>\@colht
11565       \@tempdima\@colht
11566       \ifdim\@colht>\z@
11567         \global\setbox\@rightcolumn \vbox{%
11568           \unvbox\@rightcolumn
11569           \vbox to\@tempdima{%
11570             \vskip\c@addvipersep\unvbox\@outputbox}%
11571           \vskip\stripsep
11572           \vrule height\the\jua@ht width 0pt depth 0pt
11573           \vskip\stripsep
11574         }%
11575       \global\c@addvipersep\m@addvipersep
11576     \else
11577       \global\setbox\@rightcolumn \vbox{%
11578         \unvbox\@rightcolumn
11579         \vrule height\the\jua@ht width 0pt depth 0pt
11580         \vskip\stripsep
11581       }%
11582     \fi
11583     \ifnum\jua@sk>0
11584       \remove@strip\jua@sar
11585       \global\@colht\the\jua@pr
11586       \global\advance\@colht by -\ht\@rightcolumn
11587       \global\advance\@colht by\cor@height
11588       \global\cor@height=0pt

```




```

11589         \else
11590             \global\advance\c@colht by-\ht\@rightcolumn
11591             \global\@colht\c@colht
11592         \fi
11593     \else
11594     \global\@firstcolumntrue
11595     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
11596         \unvbox\@rightcolumn
11597         \vskip\c@addvipersep
11598         \unvbox\@outputbox
11599     }%
11600     \setbox\@outputbox \vbox {%
11601         \hb@xt@\textwidth {%
11602             \hskip \columnwidth
11603             \hfil
11604             \vrule \@width\columnseprule
11605             \hfil
11606             \hb@xt@\columnwidth {%
11607                 \box\@leftcolumn \hss}%
11608             \hskip-\textwidth
11609             \hb@xt@\columnwidth {%
11610                 \box\@outputbox \hss}%
11611             \hskip\columnwidth
11612             \hskip\columnsep}%
11613         }%
11614     \@combinedblfloats
11615     \@outputpage
11616     \begingroup
11617     \@dblfloatplacement
11618     \@startdblcolumn
11619     \@whilesw\if@fcolmade \fi
11620     {\@outputpage
11621     \@startdblcolumn}%
11622     \endgroup
11623     \global\jua@sk=0\global\jua@sar={}%
11624     \global\cor@height\z@\global\c@addvipersep\z@
11625     \fi
11626 \fi
11627 }
11628
11629
11630 \def\LTR@outputdblcol{%
11631     \if@firstcolumn
11632     \global \@firstcolumnfalse
11633     \global \setbox\@leftcolumn \box\@outputbox
11634     \global\c@colht\@colht\global\c@addvipersep\z@
11635     \ifnum\jua@sk>0
11636         \remove@strip\jua@sar
11637         \global\@colht\the\jua@pr
11638         \ifdim\right@cor>\z@

```



```

11639             \global\advance\@colht by\right@cor
11640         \fi
11641         \global\advance\@colht by\cor@height
11642         \global\cor@height=0pt
11643     \fi
11644     \global\setbox\@rightcolumn \vbox{}%
11645 \else
11646     \ifdim\c@colht>\@colht
11647         \@tempdima\@colht
11648         \ifdim\@colht>\z@
11649             \global\setbox\@rightcolumn \vbox{%
11650                 \unvbox\@rightcolumn
11651                 \vbox to\@tempdima{%
11652                     \vskip\c@addvipersep\unvbox\@outputbox}%
11653                 \vskip\stripsep
11654                 \vrule height\the\jua@ht width 0pt depth 0pt
11655                 \vskip\stripsep
11656                 }%
11657             \global\c@addvipersep\m@addvipersep
11658         \else
11659             \global\setbox\@rightcolumn \vbox{%
11660                 \unvbox\@rightcolumn
11661                 \vrule height\the\jua@ht width 0pt depth 0pt
11662                 \vskip\stripsep
11663                 }%
11664         \fi
11665         \ifnum\jua@sk>0
11666             \remove@strip\jua@sar
11667             \global\@colht\the\jua@pr
11668             \global\advance\@colht by -\ht\@rightcolumn
11669             \global\advance\@colht by\cor@height
11670             \global\cor@height=0pt
11671         \else
11672             \global\advance\c@colht by-\ht\@rightcolumn
11673             \global\@colht\c@colht
11674         \fi
11675 \else
11676     \global\@firstcolumntrue
11677     \global\setbox\@outputbox\vbox to\ht\@leftcolumn{%
11678         \unvbox\@rightcolumn
11679         \vskip\c@addvipersep
11680         \unvbox\@outputbox
11681         }%
11682     \setbox\@outputbox \vbox {%
11683         \hb@xt@\textwidth {%
11684             \hb@xt@\columnwidth {%
11685                 \box\@leftcolumn \hss}%
11686             \hfil
11687             \vrule \@width\columnseprule
11688             \hfil

```



```

11689             \hb@xt@\columnwidth {%
11690             \box\@outputbox \hss}%
11691             }%
11692         }%
11693     \@combinedblfloats
11694     \@outputpage
11695     \begingroup
11696         \@dblfloatplacement
11697         \@startdblcolumn
11698         \@whiles\if@fcolmade \fi
11699         {\@outputpage
11700         \@startdblcolumn}%
11701     \endgroup
11702     \global\jua@sk=0\global\jua@sar={}%
11703     \global\cor@height\z@\global\c@addvipersep\z@
11704     \fi
11705 \fi
11706 }
11707
11708
11709 \def\@strip[#1/#2]{\global\@tempdima=#1\global\@tempdimb=#2%
11710 \global \setbox\@viper\vbox\bgroup\if@RTLmain\moveleft\dimexpr(\columnwidth+\columnsep)\fi\vb
11711     \hsize\textwidth
11712     \@parboxrestore
11713     \col@number \@ne
11714     \vrule height\topskip width0pt depth0pt
11715 }
11716
11717 \def\endstrip{%
11718     \egroup\egroup
11719     \if@firstcolumn
11720         \ifdim\pagetotal>\z@
11721             \vskip\stripsep
11722             \global\ht@strip\pagegoal
11723             \global\advance\ht@strip by-\pagetotal
11724             \global\advance\ht@strip by-\stripsep
11725             \global\advance\ht@strip by-\ht\@viper
11726             \global\advance\ht@strip by-\stripsep
11727             \global\jua@ht=\ht\@viper
11728         \else
11729             \global\ht@strip\z@
11730         \fi
11731         \ifdim\ht@strip>\z@
11732             \unvbox\@viper
11733             \vskip\stripsep
11734         \add@strip{\the\pagetotal}{\the\jua@ht}{\the\@tempdima}{\the\@tempdimb}%
11735         \global\advance\jua@sk by1
11736     \else
11737         \@latex@error{Strip needs more place!}\@ehc
11738         \if@vihproof

```



```

11739         \framebox[\columnwidth]{??? Strip ???}%
11740     \fi
11741 \fi
11742 \else
11743     \latex@error{Strip is used only on left column!}\@ehc
11744     \if@vihproof
11745         \framebox[\columnwidth]{??? Strip ???}%
11746     \fi
11747 \fi
11748 }

```

7.78 minitoc-xetex-bidi.def

```

11749 \ProvidesFile{minitoc-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for minitoc package for Xe
11750 \def\@undottedtocline#1#2#3#4#5{%
11751     \ifnum #1>\c@tocdepth\relax \else
11752         \vskip \z@ plus.2\p@
11753     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \pa
11754         \parindent #2\relax\@afterindenttrue
11755         \interlinepenalty\@M
11756         \leavevmode
11757         \@tempdima #3\relax \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \hbox{}%
11758         \hskip -\if@RTL\righskip\else\leftskip\fi
11759         #4\nobreak\hfill \nobreak
11760         \null\par}%
11761 \fi}
11762 \def\@Undottedtocline#1#2#3#4#5{%
11763     \ifnum #1>\c@tocdepth\relax \else
11764         \vskip \z@ \@plus.2\p@
11765     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \pa
11766         \parindent #2\relax\@afterindenttrue
11767         \interlinepenalty\@M
11768         \leavevmode
11769         \@tempdima #3\relax
11770         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
11771         {\coffefont #4}\nobreak \nobreak\null
11772         \par}%
11773 \fi}
11774 \def\@Undottedtoclinep#1#2#3#4#5{%
11775     \ifnum #1>\c@tocdepth\relax \else
11776         \vskip \z@ \@plus.2\p@
11777     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \pa
11778         \parindent #2\relax\@afterindenttrue
11779         \interlinepenalty\@M
11780         \leavevmode
11781         \@tempdima #3\relax
11782         \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
11783         {\#4}\nobreak \hfill \nobreak\null
11784         \hb@xt@\@pnumwidth{\hfil\normalfont \normalcolor #5}}%
11785 \par}%

```



```
11786 \fi}
```

7.79 multicol-xetex-bidi.def

```
11787 \ProvidesFile{multicol-xetex-bidi.def}[2014/09/20 v0.6 bidi adaptations for multicol package for
```

```
11788 \def\page@sofar{%
11789   \process@cols\mult@rightbox
11790   {\ifvoid\count@
11791     \setbox\count@\hbox to\hsize{}}%
11792   \else
11793     \wd\count@\hsize
11794   \fi}%
11795   \count@\col@number \advance\count@\m@ne
11796   \mult@info\z@
11797   {Column spec: \the\full@width\space = indent
11798     + columns + sep =\MessageBreak
11799     \the\multicol@leftmargin\space
11800     + \the\col@number\space
11801     x \the\hsize\space
11802     + \the\count@\space
11803     x \the\columnsep
11804   }%
11805   \ifvmode\else\errmessage{Multicol Error}\fi
11806   \nointerlineskip
11807   \setbox\z@\hbox{p}\global\dimen\tw@\dp\z@
11808   \moveright\multicol@leftmargin
11809   \hbox to\full@width{%
11810     \bidi@multicol@align@columns
11811     \rlap{\phantom p}%
11812   }%
11813   \prevdepth\z@
11814   \kern-\dimen\tw@
11815   \ifdim\dimen\tw@ > \mc@gridwarn
11816     \PackageWarning{multicol}%
11817       {Very deep columns!\MessageBreak
11818         Grid alignment might be broken}%
11819   \fi
11820 }
11821 \def\LTR@column@boxes{%
11822   \process@cols\mult@gfirstbox{%
11823     \ifdim\dp\count@>\dimen\tw@
11824       \global\dimen\tw@\dp\count@ \fi
11825     \mc@col@status@write
11826     \box\count@
11827     \hss{\columnseprulecolor\vrule
11828       \@width\columnseprule}\hss}%
11829   \ifdim\dp\mult@rightbox>\dimen\tw@
11830     \global\dimen\tw@\dp\mult@rightbox \fi
11831   \mc@lastcol@status@write
11832   \box\mult@rightbox
```



```

11833 }
11834
11835 \def\RTL@column@boxes{%
11836     \process@cols\mult@gfirstbox{%
11837         \hskip\hsize
11838         \hss{\columnseprulecolor\vrule
11839             \@width\columnseprule}\hss
11840     }%
11841     \hskip\hsize
11842     \process@cols\mult@gfirstbox{%
11843         \ifdim\dp\count@>\dimen\tw@
11844             \global\dimen\tw@\dp\count@ \fi
11845         \hskip-\hsize
11846         \mc@col@status@write
11847         \box\count@
11848         \hskip-\hsize
11849         \hskip-\columnsep
11850     }%
11851     \ifdim\dp\mult@rightbox>\dimen\tw@
11852         \global\dimen\tw@\dp\mult@rightbox \fi
11853     \hskip-\hsize
11854     \mc@lastcol@status@write
11855     \box\mult@rightbox
11856     \hskip-\hsize
11857     \hskip\full@width
11858 }
11859 \newcommand\RTLmulticolcolumns
11860 {\let\bidimulticol@align@columns
11861   \RTL@column@boxes}
11862 \newcommand\LTRmulticolcolumns
11863 {\let\bidimulticol@align@columns
11864   \LTR@column@boxes}
11865 \newcommand\bidimulticol@align@columns
11866 {\if@RTLmain\RTL@column@boxes\else\LTR@column@boxes\fi}
11867 \def\multicols#1{\col@number#1\relax
11868   \ifnum\col@number<\tw@
11869     \PackageWarning{multicol}%
11870     {Using '\number\col@number'
11871      columns doesn't seem a good idea.^.^J
11872      I therefore use two columns instead}%
11873     \col@number\tw@ \fi
11874   \ifnum\col@number>10
11875     \PackageError{multicol}%
11876     {Too many columns}%
11877     {Current implementation doesn't
11878      support more than 10 columns.%
11879     \MessageBreak
11880     I therefore use 10 columns instead}%
11881     \col@number10 \fi
11882   \ifx\@footnotetext\mult@footnotetext\else

```



```

11883 \let\orig@footnotetext\@footnotetext
11884 \let\@footnotetext\mult@footnotetext
11885 \fi
11886 \ifx\@LTRfootnotetext\mult@LTRfootnotetext\else
11887 \let\orig@LTRfootnotetext\@LTRfootnotetext
11888 \let\@LTRfootnotetext\mult@LTRfootnotetext
11889 \fi
11890 \ifx\@RTLfootnotetext\mult@RTLfootnotetext\else
11891 \let\orig@RTLfootnotetext\@RTLfootnotetext
11892 \let\@RTLfootnotetext\mult@RTLfootnotetext
11893 \fi
11894 \@ifnextchar[\mult@cols{\mult@cols[]}]{}
11895 \long\def\mult@footnotetext#1{\begingroup
11896 \hsize\textwidth
11897 \columnwidth\textwidth
11898 \orig@footnotetext{#1}\endgroup}
11899 \long\def\mult@LTRfootnotetext#1{\begingroup
11900 \hsize\textwidth
11901 \columnwidth\textwidth
11902 \orig@LTRfootnotetext{#1}\endgroup}
11903 \long\def\mult@RTLfootnotetext#1{\begingroup
11904 \hsize\textwidth
11905 \columnwidth\textwidth
11906 \orig@RTLfootnotetext{#1}\endgroup}
11907 \def\right@footnoterule{%
11908 \hbox to \textwidth
11909 {\beginR \vbox{\kern -3\p@
11910 \hrule width .4\columnwidth \kern2.6\p@\hfil\endR}}
11911 \def\textwidth@footnoterule{\kern-3\p@
11912 \hrule \@width \textwidth \kern 2.6\p@}

```

7.8o multienum-xetex-bidi.def

```

11913 \ProvidesFile{multienum-xetex-bidi.def}[2011/04/16 v0.1 bidi adaptations for multienum package f
11914 \renewcommand{\itemx}[1]{\parbox[t]{%
11915 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11916 \parbox[t]{\remainx}{\bidi@raggedright #1}\par}%\smallskip
11917 \renewcommand{\itemxx}[2]{\parbox[t]{%
11918 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11919 \parbox[t]{.5\remainxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
11920 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11921 \parbox[t]{0.5\remainxx}{\bidi@raggedright #2}\smallskip}
11922 \renewcommand{\itemxxx}[3]{\parbox[t]{%
11923 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11924 \parbox[t]{.3333\remainxxx}{\bidi@raggedright #1}\hfill\parbox[t]{%
11925 {\labelwidth}{\hfill {\labelname}}\hskip\labelsep%
11926 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\hfill\parbox[t]{%
11927 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep%
11928 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #3}\par}%\smallskip
11929 \renewcommand{\itemxxxx}[4]{\parbox[t]{%

```



```

11930 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11931 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill\parbox[t]%
11932 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11933 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
11934 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11935 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\hfill%
11936 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11937 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #4}\smallskip}
11938 \renewcommand{\itemxxxx}[5]{\parbox[t]%
11939 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11940 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #1}\hfill%
11941 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11942 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #2}\hfill%
11943 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11944 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #3}\hfill%
11945 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11946 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #4}\hfill%
11947 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11948 \parbox[t]{0.2\remainxxxx}{\bidi@raggedright #5}\smallskip}
11949 \renewcommand{\itemxox}[2]{\parbox[t]%
11950 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11951 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
11952 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11953 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #2}\smallskip}
11954 \renewcommand{\itemxox}[2]{\parbox[t]%
11955 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11956 \parbox[t]{0.3333\remainxxx}{\bidi@raggedright #1}\hfill%
11957 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11958 \parbox[t]{\remainxox}{\bidi@raggedright #2}\smallskip}
11959 \renewcommand{\itemxox}[3]{\parbox[t]%
11960 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11961 \parbox[t]{\remainxox}{\bidi@raggedright #1}\hfill%
11962 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11963 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #2}\hfill%
11964 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11965 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
11966 \renewcommand{\itemxox}[3]{\parbox[t]%
11967 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11968 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
11969 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11970 \parbox[t]{\remainxox}{\bidi@raggedright #2}\hfill%
11971 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11972 \parbox[t]{0.25\remainxxxx}{\bidi@raggedright #3}\smallskip}
11973 \renewcommand{\itemxox}[3]{\parbox[t]%
11974 {\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11975 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #1}\hfill%
11976 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11977 \parbox[t]{.25\remainxxxx}{\bidi@raggedright #2}\hfill%
11978 \parbox[t]{\labelwidth}{\hfill{\labelname}}\hskip\labelsep
11979 \parbox[t]{\remainxox}{\bidi@raggedright #3}\smallskip}

```



7.81 natbib-xetex-bidi.def

```
11980 \ProvidesFile{natbib-xetex-bidi.def}[2011/06/04 v0.1 bidi adaptations for natbib package for XeT
11981 \renewenvironment{thebibliography}[1]{%
11982   \bibsection
11983   \parindent\z@
11984   \bibpreamble
11985   \bibfont
11986   \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
11987   \list{\@biblabel{\the\c@NAT@ctr}}{\@bibsetup{#1}\global\c@NAT@ctr\z@}%
11988   \ifNAT@openbib
11989     \renewcommand\newblock{\par}%
11990   \else
11991     \renewcommand\newblock{\hskip .11em \@plus.33em \@minus.07em}%
11992   \fi
11993   \sloppy\clubpenalty4000\widowpenalty4000
11994   \sfcode`\.\@m
11995   \let\NAT@bibitem@first@sw\@firstoftwo
11996   \let\citeN\cite \let\shortcite\cite
11997   \let\citeasnoun\cite
11998 }{%
11999   \bibitem@fin
12000   \bibpostamble
12001   \def\@noitemerr{%
12002     \PackageWarning{natbib}{Empty `thebibliography' environment}%
12003   }%
12004   \endlist
12005   \bibcleanup
12006 }%
```

7.82 newfloat-xetex-bidi.def

```
12007 \ProvidesFile{newfloat-xetex-bidi.def}[2013/05/22 v0.1 bidi adaptations for newfloat package for
12008 \renewcommand*\newfloat@setwithin[2]{%
12009   \ifcsname c@chapter\endcsname
12010     \@removefromreset{#1}{chapter}%
12011   \fi
12012   \@removefromreset{#1}{section}%
12013   \edef\@tempa{#2}%
12014   \ifx\@tempa\@empty
12015     \def\@tempa{none}%
12016   \fi
12017   \def\@tempb{none}%
12018   \ifx\@tempa\@tempb
12019     \ifcsname c@chapter\endcsname
12020       \@chapterlistsgap@off{#1}%
12021     \fi
12022     \newfloat@setwithin{#1}{\@tempa}%
12023   \else
12024     \def\@tempb{chapter}%
12025     \ifx\@tempa\@tempb
```



```

12026      \@addtoreset{#1}{chapter}%
12027      \@chapterlistsgap@on{#1}%
12028      \newfloat@@setwithin{#1}{\ifnum\c@chapter>\z@ \thechapter\@SepMark\fi}{\theHchapter\@SepMa
12029      \else
12030      \def\@tempb{section}%
12031      \ifx\@tempa\@tempb
12032      \@addtoreset{#1}{section}%
12033      \ifcsname c@chapter\endcsname
12034      \@addtoreset{#1}{chapter}%
12035      \@chapterlistsgap@on{#1}%
12036      \newfloat@@setwithin{#1}{\thesection\@SepMark}{\theHsection\@SepMark}%
12037      \else
12038      \newfloat@@setwithin{#1}{\ifnum\c@section>\z@ \thesection\@SepMark\fi}{\theHsection\@Sep
12039      \fi
12040      \else
12041      \newfloat@Error{Invalid value `#2' for option `within'}%
12042      \fi
12043      \fi
12044      \fi}

```

7.83 ntheorem-xetex-bidi.def

```

12045 \ProvidesFile{ntheorem-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem package for
12046 \gdef\@thm#1#2#3{%
12047   \if@thmmarks
12048     \stepcounter{end\InTheoType ctr}%
12049   \fi
12050   \renewcommand{\InTheoType}{#1}%
12051   \if@thmmarks
12052     \stepcounter{curr#1ctr}%
12053     \setcounter{end#1ctr}{0}%
12054   \fi
12055   \refstepcounter{#2}%
12056   \theorem@prework
12057   \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
12058   \ifvmode \advance\thm@topsepadd\partopsep\fi
12059   \trivlist
12060   \@topsep \theorempreskipamount
12061   \@topsepadd \thm@topsepadd % used by \@endparenv
12062   \advance\linewidth -\theorem@indent
12063   \advance\@totalleftmargin \theorem@indent
12064   \ifRTL\parshape \@ne Opt \linewidth\else \parshape \@ne \@totalleftmargin \linewidth\fi
12065   \@ifnextchar[{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.84 ntheorem-hyper-xetex-bidi.def

```

12066 \ProvidesFile{ntheorem-hyper-xetex-bidi.def}[2012/05/01 v0.1 bidi adaptations for ntheorem-hyper
12067 \gdef\@thm#1#2#3{%
12068   \if@thmmarks
12069     \stepcounter{end\InTheoType ctr}%
12070   \fi

```



```

12071 \renewcommand{\InTheoType}{#1}%
12072 \if@thmmarks
12073   \stepcounter{curr#1ctr}%
12074   \setcounter{end#1ctr}{0}%
12075 \fi
12076 \refstepcounter{#2}%
12077 \thm@topsepadd \theorempostskipamount % cf. latex.ltx: \@trivlist
12078 \ifvmode \advance\thm@topsepadd\partopsep\fi
12079 \trivlist
12080 \@topsep \theorempreskipamount
12081 \@topsepadd \thm@topsepadd % used by \@endparenv
12082 \advance\linewidth -\theorem@indent
12083 \advance\@totalleftmargin \theorem@indent
12084 \if@RTL\parshape \@one Opt \linewidth\else \parshape \@one \@totalleftmargin \linewidth\fi
12085 \ifnextchar [{\@ythm{#1}{#2}{#3}}{\@xthm{#1}{#2}{#3}}

```

7.85 pdfpages-xetex-bidi.def

```

12086 \ProvidesFile{pdfpages-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for pdfpages package for
12087 \renewcommand*{\includepdf}[2] []{%
12088   \begingroup
12089   \@RTLfalse
12090   \let\AM@threadname\relax
12091   \AM@split@options{pdfpages}{#1}%
12092   \edef\AM@temp{\pdfpages{\the\@temptokena}}%
12093   \expandafter\setkeys\AM@temp
12094   \ifthenelse{\boolean{AM@pkg@draft} \and \boolean{AM@survey}}{%
12095     \let\AM@currentdocname\relax
12096     \renewcommand\includegraphics[2] [] {Survey in draft-mode}%
12097     \def\AM@pagecount{0}%
12098   }{%
12099     \AM@findfile{#2}%
12100     \if\AM@threadname\relax
12101       \def\AM@threadname{\AM@currentdocname}%
12102     \fi
12103   }%
12104   \ifAM@survey
12105     \def\AM@pagestemp{}%
12106     \@tempcnta=0
12107     \def\foo{%
12108       \ifundefined{r\AM@xrprefix pdfpages@page\the\@tempcnta}%
12109         {\let\foo\relax}
12110       {\expandafter\ifx\expandafter\\AM@pagestemp\\
12111         \edef\AM@pagestemp{%
12112           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
12113       \else
12114         \edef\AM@pagestemp{\AM@pagestemp,%
12115           \AM@pageref{\AM@xrprefix pdfpages@page\the\@tempcnta}}%
12116       \fi
12117     \advance\@tempcnta 1\relax

```



```

12118     }%
12119     \foo
12120   }%
12121   \foo
12122   \expandafter\ifx\expandafter\\AM@pagestemp\\
12123     \def\AM@pagestemp{1}%
12124     \fi
12125   \fi
12126   \ifAM@output
12127     \expandafter\AM@readlist\expandafter{\AM@pagestemp}%
12128     \AM@output{#1}%
12129   \fi
12130   \AM@CheckAtEnd
12131   \endgroup
12132   \AM@ClearShipoutPicture
12133 }

```

7.86 pgf-xetex-bidi.def

```

12134 \ProvidesFile{pgf-xetex-bidi.def}[2014/11/21 v0.6 bidi adaptations for pgf package for XeTeX engi
12135 \let\origin@pgfpicture=\pgfpicture
12136 \let\origin@endpgfpicture=\endpgfpicture
12137 \def\bidi@pgfpicture{\ifmmode\else\beginL\fi\origin@pgfpicture}
12138 \def\endbidi@pgfpicture{\origin@endpgfpicture\ifmmode\else\endL\fi}
12139 \def\pgfpicture{\ifmmode\else\LTR\noindent\beginL\fi\origin@pgfpicture}
12140 \def\endpgfpicture{\origin@endpgfpicture\ifmmode\else\endL\endLTR\fi}

```

7.87 picinpar-xetex-bidi.def

```

12141 \ProvidesFile{picinpar-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for picinpar package for
12142 \long\def\@makewincaption#1#2{%
12143   \setbox\@tempboxa\hbox{\footnotesize{\bf #1:\enspace}{#2}}%
12144   \ifdim\wd\@tempboxa>\picwd
12145     {\footnotesize{\bf #1:\enspace}{#2\par}}
12146   \else
12147     \hbox to\picwd{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}
12148   \fi}
12149 \def\endwindow{%
12150   \global\tcd=\tcdsav
12151   \egroup\vskip\parskip\parshape=0 % reset parshape; end \box\rawtext
12152   \vbadness=10000
12153   \splittopskip=0pt
12154   %
12155   % Typeset the lines above the window
12156   %
12157   \ifnum\tcd>0\setbox\holder=\vsplit\rawtext to \tcd\baselineskip
12158   \tcn=\tcd
12159   \loop\advance\tcn -1
12160   \setbox\fslice=\vsplit\holder to\baselineskip
12161   \prune\fslice\linewidth
12162   \topheight=0pt

```



```

12163 \ifnum\dp\fslice>\dp\wstrutbox
12164     \advance\topheight-\dp\fslice
12165     \advance\topheight\dp\wstrutbox
12166     \advance\topheight\ilg\fi
12167 \hbox to\linewidth{\box\fslice}
12168 \vskip-\topheight
12169 \ifdim\ht\holder>0pt\repeat
12170 \fi
12171 %
12172 % Now we build the boxes beside the window
12173 %
12174 \global\topheight=\tcl\baselineskip
12175 \ifnum\cumpartcl>0\global\tcl=\cumtcl
12176     \global\topheight=\vpic
12177 \fi
12178 \ifnum\bl>0 \ifnum\br>0 \multiply\topheight by 2\fi\fi
12179 \ifnum\bl>0\setbox\holder=\vsplit\rawtext to\topheight
12180 \else\ifnum\br>0\setbox\holder=\vsplit\rawtext to\topheight\fi\fi
12181 \tcn=\tcl \na=0 \nb=0
12182 \ifnum\bl>0 \ifnum\br>0 \multiply\tcn by 2\fi\fi
12183 \ifnum\bl>0\na=\tcn\ifnum\br>0\divide\na by 2\fi\fi
12184 \ifnum\br>0\nb=\tcn\ifnum\bl>0\divide\nb by 2\fi\fi
12185 \ifnum\na=0\ifnum\nb=0
12186     \setbox\waslice=\vbox to\vpic{\vss}
12187     \setbox\wbslice=\vbox to\vpic{\vss}
12188     \bl=1\br=1
12189     \vskip\ilg
12190 \fi\fi
12191 %
12192 % both sides
12193 %
12194 \ifnum\na>0 \ifnum\nb>0
12195 \loop\advance\nb -1
12196 \advance\na -1
12197 \if@RTL%
12198 \setbox\bslice=\vsplit\holder to\baselineskip
12199 \prune\bslice\rtside
12200 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
12201 to\rtside{\box\bslice\hfil}}
12202 \setbox\aslice=\vsplit\holder to\baselineskip
12203 \prune\aslice\lftside
12204 \setbox\waslice=\vbox{\unvbox\waslice\hbox
12205 to\lftside{\box\aslice\hfil}}
12206 \else%
12207 \setbox\aslice=\vsplit\holder to\baselineskip
12208 \prune\aslice\lftside
12209 \setbox\waslice=\vbox{\unvbox\waslice\hbox
12210 to\lftside{\box\aslice\hfil}}
12211 \setbox\bslice=\vsplit\holder to\baselineskip
12212 \prune\bslice\rtside

```



```

12213 \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
12214 to\rtside{\box\bslice\hfil}}
12215 \fi%
12216 \ifnum\nb>0\repeat
12217 \fi\fi
12218 %
12219 % only text on the left side
12220 %
12221 \ifnum\na>0
12222   \loop\advance\na -1
12223   \setbox\aslice=\vsplit\holder to\baselineskip
12224   \prune\aslice\lftside
12225   \setbox\waslice=\vbox{\unvbox\waslice\hbox
12226   to\lftside{\box\aslice\hfil}}
12227   \ifdim\ht\holder>0pt\repeat
12228 \fi
12229 %
12230 % only text on the right side
12231 %
12232 \ifnum\nb>0
12233   \loop\advance\nb -1
12234   \setbox\bslice=\vsplit\holder to\baselineskip
12235   \prune\bslice\rtside
12236   \setbox\wbslice=\vbox{\unvbox\wbslice\hbox
12237   to\rtside{\box\bslice\hfil}}
12238   \ifdim\ht\holder>0pt\repeat
12239 \fi
12240 %
12241 % fixing the dimensions of the window part
12242 %
12243 \ifnum\bl=0\topheight=\ht\wbslice
12244 \else\ifnum\br=0\topheight=\ht\waslice
12245   \else\ifdim\ht\waslice>\ht\wbslice\topheight=\ht\waslice
12246   \else\topheight=\ht\wbslice\fi\fi\fi
12247 %
12248 % ship out the window material to the main vertical list
12249 %
12250 \ifnum\bl>0 \ifnum\br>0 \ifdim\ht\wbslice<\topheight
12251 \setbox\wbslice=\vbox to\topheight{\box\wbslice\vfill}
12252 \fi\fi\fi
12253 \setbox>windowbox=\vbox{\hbox to\linewidth{%
12254 \ifnum\bl>0\box\waslice\hfill\fi%
12255 \vbox to\topheight{\hrule width\picwd height0pt depth0pt\vskip0pt%
12256 \vfill\unvbox\picbox%
12257 \ifnum\picwd>0\vfill\fi%
12258 \vss}\ifnum\br>0\hfill\vbox{\box\wbslice}\fi}}%
12259 \unvbox>windowbox%
12260 \loop
12261 \setbox\bslice=\vsplit\rawtext to\baselineskip
12262 \prune\bslice\linewidth

```



```

12263 \setbox\wbslice=\vbox{\hbox to\linewidth{\box\bslice\hfil}}
12264 \unvbox\wbslice
12265 \ifdim\ht\rawtext>0pt
12266 \repeat
12267 }% FINITO

```

7.88 plain-xetex-bidi.def

```

12268 \def\TeXXeTOn{\TeXXeTstate=1 }
12269 \def\TeXXeTOff{\TeXXeTstate=0 }
12270 \TeXXeTOn
12271 \def\usebox#1{\leavevmode\copy #1\relax}
12272 \def\bidi@RTL@everypar{\if@RTL{\setbox\z@ \lastbox\beginR\ifvoid\z@ \else \usebox\z@\fi}\fi}
12273 \let\bidi@o@everypar=\everypar
12274 \newtoks\bidi@n@everypar
12275 \bidi@n@everypar\expandafter{\the\bidi@o@everypar}
12276 \bidi@o@everypar{\bidi@RTL@everypar\the\bidi@n@everypar}
12277 \let\everypar=\bidi@n@everypar
12278 \def\moreLRE{\bracetext \aftergroup\endL \beginL \@RTLfalse}
12279 \def\moreRLE{\bracetext \aftergroup\endR \beginR \@RTLtrue}
12280 \protected\def\hboxR{\hbox\bgroup
12281 \everyhbox{%
12282 \aftergroup\egroup
12283 \everyhbox{}}%
12284 \beginR
12285 \bgroup
12286 \aftergroup\endR
12287 \aftergroup\egroup
12288 }\hbox}
12289 \protected\def\hboxL{\hbox\bgroup
12290 \everyhbox{%
12291 \aftergroup\egroup
12292 \everyhbox{}}%
12293 \beginL
12294 \bgroup
12295 \aftergroup\endL
12296 \aftergroup\egroup
12297 }\hbox}
12298 \protected\def\vboxR{\vbox\bgroup
12299 \everyvbox{%
12300 \aftergroup\egroup
12301 \everyvbox{}}%
12302 \@RTLtrue
12303 \bgroup
12304 \aftergroup\egroup
12305 }\vbox}
12306 \protected\def\vboxL{\vbox\bgroup
12307 \everyvbox{%
12308 \aftergroup\egroup
12309 \everyvbox{}}%

```



```

12310 \RTLfalse
12311 \bgroup
12312 \aftergroup\egroup
12313 }\vbox}
12314 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\hsize\linewidth\parshape\z@}
12315 \def\endLTR{\par}
12316 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
12317 \def\endRTL{\par}
12318 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
12319 \def\setLTR{\@RTLfalse\@RTL@footnotefalse}
12320 \let\unsetRTL=\setLTR
12321 \let\unsetLTR=\setRTL
12322 \let\LR=\LRE
12323 \let\RL=\RLE
12324 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
12325 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
12326 \let\@ensure@RL=\@ensure@RTL
12327 \let\@ensure@LR=\@ensure@LTR
12328 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
12329 \let\@ensure@maindir=\@ensure@dir
12330 \def\@RTL{RTL}
12331 \def\@LTR{LTR}
12332 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
12333 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
12334 \let\@TeX\TeX
12335 \def\TeX{\@ensure@LTR{\@TeX}}
12336 \long\def\@bidi@reflect@box#1{%
12337 \leavevmode
12338 \setbox\z@\hbox{#1}}%
12339 \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
12340 \hbox to \wd\z@{\kern\wd\z@\box\tw@\hss}%
12341 }
12342 \def\XeTeX{\LR{\leavevmode$\smash{\hbox{X}\lower.5ex
12343 \hbox{\kern-.125em\@bidi@reflect@box{E}}\kern-.1667em \TeX}}$}}
12344 \let\setRL=\setRTL
12345 \let\setLR=\setLTR
12346 \let\unsetRL=\setLTR
12347 \let\@bidi@samed@eqno=\eqno
12348 \let\@bidi@samed@leqno=\leqno
12349 \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@samed@leqno \else \@bidi@samed@eqno \fi}
12350 \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@samed@eqno \else \@bidi@samed@leqno \fi}
12351 \def\centerline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
12352 \def\leftline#1{\line{\if@RTL\beginR\fi#1\if@RTL\endR\fi\hss}}
12353 \def\rightline#1{\line{\hss\if@RTL\beginR\fi#1\if@RTL\endR\fi}}

```

7.89 pstricks-xetex-bidi.def

```

12354 \ProvidesFile{pstricks-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for pstricks package for
12355 \let\origin@pspicture=\pspicture
12356 \let\origin@endpspicture=\endpspicture

```




```

12357 \def\pspicture{\ifmmode\else\LTR\beginL\fi\origin@pspicture}
12358 \def\endpspicture{\origin@endpspicture\ifmmode\else\endL\endLTR\fi}

```

7.90 quotchap-xetex-bidi.def

```

12359 \ProvidesFile{quotchap-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for quotchap package for
12360 \renewcommand{\qauthor}[1]{%
12361   \par\smallskip
12362   {\if@RTL\raggedright\else\raggedleft\fi\upshape #1\quad\hbox{}\par}\bigskip}
12363 \renewcommand{\@makechapterhead}[1]{\chapterheadstartvskip%
12364   {\size@chapter{\sectfont\if@RTL\raggedright\else\raggedleft\fi
12365     {\chapnumfont
12366       \ifnum \c@secnumdepth >\m@ne%
12367       \if@mainmatter\thechapter%
12368       \fi\fi
12369       \par\nobreak}%
12370     {\if@RTL\raggedright\else\raggedleft\fi\advance\if@RTL\rightmargin\else\leftmargin\fi10em\
12371     \nobreak\chapterheadendvskip}}
12372 \renewcommand*{\@iprintcites}{%
12373   \vbox to\z@{\leavevmode\copy\@quotebox\vss}
12374   \global\let\@printcites\relax}

```

7.91 ragged2e-xetex-bidi.def

```

12375 \ProvidesFile{ragged2e-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for ragged2e package for
12376 \renewcommand{\Centering}{%
12377   \ifx\\ \@raggedtwoe@savedcr
12378     \let\\ \@centercr
12379   \fi
12380   \let\@gnewline\@raggedtwoe@gnewline
12381   \if@RTL\rightright\else\leftskip\fi\CenteringLeftskip
12382   \@rightskip\CenteringRightskip
12383   \if@RTL\leftskip\else\rightskip\fi\@rightskip
12384   \parfillskip\CenteringParfillskip
12385   \parindent\CenteringParindent
12386   \@raggedtwoe@spaceskiptrue
12387   \@raggedtwoe@everyselectfont
12388 }
12389 \renewcommand{\RaggedLeft}{%
12390   \ifx\\ \@raggedtwoe@savedcr
12391     \let\\ \@centercr
12392   \fi
12393   \let\@gnewline\@raggedtwoe@gnewline
12394   \if@RTL\rightright\else\leftskip\fi\RaggedLeftLeftskip
12395   \@rightskip\RaggedLeftRightskip
12396   \if@RTL\leftskip\else\rightskip\fi\@rightskip
12397   \parfillskip\RaggedLeftParfillskip
12398   \parindent\RaggedLeftParindent
12399   \@raggedtwoe@spaceskiptrue
12400   \@raggedtwoe@everyselectfont
12401 }

```



```

12402 \renewcommand{\RaggedRight}{%
12403   \ifx\\ \@raggedtwo@savedcr
12404     \let\\ \@centercr
12405   \fi
12406   \let\@gnewline\@raggedtwo@gnewline
12407   \if@RTL\rightskip\else\leftskip\fi\RaggedRightLeftskip
12408   \@rightskip\RaggedRightRightskip
12409   \if@RTL\leftskip\else\rightskip\fi\@rightskip
12410   \parfillskip\RaggedRightParfillskip
12411   \parindent\RaggedRightParindent
12412   \@raggedtwo@spaceskiptrue
12413   \@raggedtwo@everyselectfont
12414 }
12415 \renewcommand{\justifying}{%
12416   \let\\ \@raggedtwo@savedcr
12417   \let\@gnewline\@raggedtwo@saved@gnewline
12418   \if@RTL\rightskip\else\leftskip\fi\z@
12419   \@rightskip\z@
12420   \if@RTL\leftskip\else\rightskip\fi\@rightskip
12421   \parfillskip\JustifyingParfillskip
12422   \parindent\JustifyingParindent
12423   \@raggedtwo@spaceskipfalse
12424   \@raggedtwo@everyselectfont
12425 }
12426 \renewcommand*{\@raggedtwo@raggedrightboxes@opt}{%
12427   \CheckCommand*{\@arrayparboxrestore}{%
12428     \let\if@nobreak\iffalse
12429     \let\if@noskipsec\iffalse
12430     \let\par\@par
12431     \let\-\@dischyph
12432     \let'\@acci\let`\@accii\let\=\@acciii
12433     \parindent\z@ \parskip\z@skip
12434     \everypar{}%
12435     \linewidth\hsize
12436     \@totalleftmargin\z@
12437     \if@RTL\rightskip\else\leftskip\fi\z@skip \if@RTL\leftskip\else\rightskip\fi\z@skip \@rightskip
12438     \parfillskip\@flushglue \lineskip\normallineskip
12439     \baselineskip\normalbaselineskip
12440     \sloppy}%
12441   \renewcommand{\@arrayparboxrestore}{%
12442     \let\if@nobreak\iffalse
12443     \let\if@noskipsec\iffalse
12444     \let\par\@par
12445     \let\-\@dischyph
12446     \let'\@acci\let`\@accii\let\=\@acciii
12447     \parskip\z@skip
12448     \everypar{}%
12449     \linewidth\hsize
12450     \@totalleftmargin\z@
12451     \RaggedRight

```



```

12452 \lineskip\normallineskip
12453 \baselineskip\normalbaselineskip
12454 \sloppy}%
12455 \let\@raggedtwoe@raggedrightboxes@opt\relax
12456 }
12457 \let\origin@RaggedLeft=\RaggedLeft
12458 \let\origin@RaggedRight=\RaggedRight
12459 \def\RaggedLeft{\if@RTL\origin@RaggedRight\else\origin@RaggedLeft\fi}
12460 \def\RaggedRight{\if@RTL\origin@RaggedLeft\else\origin@RaggedRight\fi}

```

7.92 rapport1-xetex-bidi.def

```

12461 \ProvidesFile{rapport1-xetex-bidi.def}[2011/08/26 v0.2 bidi adaptations for rapport1 class for Xe
12462 \renewenvironment{theindex}{%
12463 \if@twocolumn
12464 \@restonecolfalse
12465 \else
12466 \@restonecoltrue
12467 \fi
12468 \columnseprule \z@
12469 \columnsep 35\p@
12470 \twocolumn[\@makeschapterhead{\indexname}]{%
12471 \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}}%
12472 \thispagestyle{plain}\parindent\z@
12473 \parskip\z@ \@plus .3\p@\relax
12474 \let\item\@idxitem
12475 }{%
12476 \if@restonecol\onecolumn\else\clearpage\fi}
12477 \renewcommand*{\head@style}{%
12478 \interlinepenalty \@M
12479 \hyphenpenalty=\@M \exhyphenpenalty=\@M
12480 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
12481 \if@titlepage
12482 \renewenvironment{abstract}{%
12483 \titlepage
12484 \null\vfil
12485 \section*{\SectFont\abstractname}%
12486 \noindent\ignorespaces}
12487 {\par\vfil\null\endtitlepage}
12488 \else
12489 \renewenvironment{abstract}{%
12490 \if@twocolumn
12491 \section*{\abstractname}%
12492 \else
12493 \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent
12494 \section*{\small\SectFont\abstractname}%
12495 \noindent\ignorespaces
12496 \fi}
12497 {\if@twocolumn\else\par\egroup\fi}
12498 \fi

```



```

12499 \renewcommand*\@regtocline[3]{%
12500   \ifnum #1>\c@tocdepth
12501   \else
12502     \vskip\z@ \@plus.2\p@
12503     {\hangindent\z@ \afterindenttrue \interlinepenalty\@M
12504      \if@RTL\rightskip\else\leftskip\fi\unitindent
12505      \if@RTL\leftskip\else\rightskip\fi\unitindent \@plus 1fil
12506      \parfillskip\z@
12507      \@tempdima\unitindent
12508      \parindent\z@
12509      \leavevmode
12510      \hbox{}\hskip -\if@RTL\rightskip\else\leftskip\fi\relax#2\nobreak
12511      \hskip 1em \nobreak{\slshape #3}\par
12512     }%
12513   \fi}
12514 \if@oldtoc
12515 \renewcommand*\l@part[2]{%
12516   \ifnum \c@tocdepth >-2\relax
12517     \addpenalty{-\@highpenalty}%
12518     \addvspace{2.25em \@plus\p@}%
12519     \begingroup
12520       \setlength\@tempdima{3em}%
12521       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12522       \parfillskip -\@pnumwidth
12523       {\leavevmode
12524        \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
12525        \nobreak
12526        \global\@nobreaktrue
12527        \everypar{\global\@nobreakfalse\everypar{}}%
12528      \endgroup
12529   \fi}
12530 \else
12531   \renewcommand*\l@part{%
12532     \ifnum \c@tocdepth >-2\relax
12533       \addpenalty{-\@highpenalty}%
12534       \addvspace{2.25em \@plus \p@}%
12535       \@regtocline{0}%
12536     \fi}
12537 \fi
12538 \if@oldtoc
12539 \renewcommand*\l@chapter[2]{%
12540   \addpenalty{-\@highpenalty}%
12541   \vskip 1.0em \@plus\p@
12542   \setlength\@tempdima{1.5em}%
12543   \begingroup
12544     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12545     \parfillskip -\@pnumwidth
12546     \leavevmode \bfseries
12547     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
12548     \hskip -\if@RTL\rightskip\else\leftskip\fi

```



```

12549    #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
12550    \penalty\@highpenalty
12551    \endgroup}
12552 \else
12553   \renewcommand*\l@chapter{\@regtocline{0}}
12554 \fi
12555 \renewcommand*\left@footnoterule{%
12556   \kern-3\p@
12557   \kern.5\baselineskip
12558   \hrule\@width\unitindent
12559   \kern.4\baselineskip
12560 }
12561 \renewcommand*\right@footnoterule{%
12562   \hbox to \columnwidth
12563   {\beginR \vbox{%
12564     \kern-3\p@
12565     \kern.5\baselineskip
12566     \hrule\@width\unitindent
12567     \kern.4\baselineskip}\hfil\endR}
12568 }
12569 \renewenvironment{thebibliography}[1]
12570   {\chapter*{\bibname}%
12571    \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
12572    \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
12573    \list{\@biblabel{\@arabic\c@enumiv}}%
12574          {\settowidth\labelwidth{\@biblabel{#1}}%
12575           \leftmargin\labelwidth
12576           \advance\leftmargin\labelsep
12577           \@openbib@code
12578           \usecounter{enumiv}%
12579           \let\p@enumiv\@empty
12580           \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
12581    \sloppy\clubpenalty4000\widowpenalty4000%
12582    \sfcode`\.\@m}
12583   {\def\@noitemerr
12584    {\@latex@warning{Empty `thebibliography' environment}}}%
12585   \endlist}
12586 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
12587 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
12588 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
12589 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
12590 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
12591 \renewcommand*\theequation{%
12592   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
12593 \renewcommand*\thefigure{%
12594   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@figure}
12595 \renewcommand*\thetable{%
12596   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@table}
12597 \if@titlepage
12598 \renewcommand*\TitleFont{\rmfamily}

```



```

12599 \renewcommand*\maketitle{%
12600   \begin{titlepage}%
12601     \let\footnotesize\small
12602     \let\right@footnoterule\relax
12603     \let\left@footnoterule\relax
12604     \let\textwidth@footnoterule\relax
12605     \let \footnote \thanks
12606     \long\def\@makefntext##1{\parindent\z@
12607       \def\labelitemi{\textendash}\@revlabeltrue
12608       \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
12609     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
12610     \if@compatibility\setcounter{page}{0}\fi
12611     \null\vfil
12612     \vskip 60\p@
12613     \begin{center}%
12614       \TitleFont
12615       {\LARGE \def\{\{\penalty -\@M}
12616         \if@allcaps
12617           \expandafter\uc@nothanks\@title\thanks\relax
12618         \else
12619           \@title
12620         \fi\par}%
12621       \vskip 3em%
12622       {\large
12623         \lineskip .75em \parindent\z@
12624         \begin{tabular}[t]{c}%
12625           \if@allcaps
12626             \expandafter\uc@authornothanks\@author\and\relax
12627           \else
12628             \@author
12629           \fi
12630         \end{tabular}\par}%
12631       \vskip 1.5em%
12632       {\large
12633         \if@allcaps
12634           \uppercase\expandafter{\@date}%
12635         \else
12636           \@date
12637         \fi\par}%
12638       \end{center}\par
12639       \@thanks
12640       \vfil\null
12641     \end{titlepage}%
12642     \setcounter{footnote}{0}%
12643     \global\let\thanks\relax
12644     \global\let\maketitle\relax
12645     \global\let\@thanks\@empty
12646     \global\let\@author\@empty
12647     \global\let\@title\@empty
12648     \global\let\@date\@empty

```



```

12649 \global\let\title\relax
12650 \global\let\author\relax
12651 \global\let\date\relax
12652 \global\let\and\relax
12653 }
12654 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}
12655 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
12656 \futurelet\@tempa\uc@ax}
12657 \def\uc@ax{%
12658 \ifx\@tempa\relax
12659 \else
12660 \ \andname \ \expandafter\uc@authornothanks
12661 \fi}
12662 \def\uc@tx{\ifx\@tempa\relax
12663 \else \expandafter\uc@ty \fi}
12664 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
12665 \else
12666 \renewcommand*\maketitle{\par
12667 \begingroup
12668 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
12669 \def\@makefnmark{\rlap{%
12670 \@textsuperscript{\normalfont\@thefnmark}}}%
12671 \long\def\@makefntext{\@xmakefntext{%
12672 \@textsuperscript{\normalfont\@thefnmark}}}%
12673 \if@twocolumn
12674 \ifnum \col@number=\@one
12675 \@maketitle
12676 \else
12677 \twocolumn[\@maketitle]%
12678 \fi
12679 \else
12680 \newpage
12681 \global\@topnum\z@
12682 \@maketitle
12683 \fi
12684 \thispagestyle{plain}\@thanks
12685 \endgroup
12686 \setcounter{footnote}{0}%
12687 \global\let\thanks\relax
12688 \global\let\maketitle\relax
12689 \global\let\@maketitle\relax
12690 \global\let\@thanks\@empty
12691 \global\let\@author\@empty
12692 \global\let\@title\@empty
12693 \global\let\@date\@empty
12694 \global\let\title\relax
12695 \global\let\author\relax
12696 \global\let\date\relax
12697 \global\let\and\relax
12698 }

```



```

12699 \def\@maketitle{%
12700   \newpage
12701   \null
12702   \vskip 2em%
12703   \begin{center}%
12704     \let \footnote \thanks
12705     {\LARGE \TitleFont \@title \par}%
12706     \vskip 1.5em%
12707     {\large \TitleFont
12708       \lineskip .5em%
12709       \begin{tabular}[t]{c}%
12710         \@author
12711         \end{tabular}\par}%
12712     \vskip 1em%
12713     {\large \TitleFont \@date}%
12714   \end{center}%
12715   \par
12716   \vskip 1.5em}
12717 \fi

```

7.93 rapport3-xetex-bidi.def

```

12718 \ProvidesFile{rapport3-xetex-bidi.def}[2011/08/26 v0.4 bidi adaptations for rapport3 class for Xe
12719 \renewenvironment{theindex}{%
12720   \if@twocolumn
12721     \@restonecolfalse
12722   \else
12723     \@restonecoltrue
12724   \fi
12725   \columnseprule \z@
12726   \columnsep 35\p@
12727   \twocolumn[\@makeschapterhead{\indexname}]%
12728   \@mkboth{\MakeUppercase{\indexname}}{\MakeUppercase{\indexname}}%
12729   \thispagestyle{plain}\parindent\z@
12730   \parskip\z@ \@plus .3\p@\relax
12731   \let\item\@idxitem
12732 }{%
12733   \if@restonecol\onecolumn\else\clearpage\fi}
12734 \if@titlepage
12735 \renewcommand*\TitleFont{\rmfamily}
12736 \renewcommand*\maketitle{%
12737   \begin{titlepage}%
12738     \let\footnotesize\small
12739     \let\right@footnoterule\relax
12740     \let\left@footnoterule\relax
12741     \let\textwidth@footnoterule\relax
12742     \let \footnote \thanks
12743     \let \LTRfootnote \LTRthanks
12744     \let \RTLfootnote \RTLthanks
12745     \long\def\@makefnitem##1{\parindent\z@

```




```

12746         \def\labelitemi{\textendash}\@revlabeltrue
12747         \leavevmode\@textsuperscript{\@thefnmark}\kern1em\relax ##1}
12748     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
12749     \if@compatibility\setcounter{page}{0}\fi
12750     \null\vfil
12751     \vskip 60\p@
12752     \begin{center}%
12753         \TitleFont
12754         {\LARGE \def\\{\penalty -\@M}
12755         \if@allcaps
12756             \expandafter\uc@nothanks\@title\thanks\relax
12757         \else
12758             \@title
12759         \fi\par}%
12760     \vskip 3em%
12761     {\large
12762     \lineskip .75em \parindent\z@
12763     \begin{tabular}[t]{c}%
12764         \if@allcaps
12765             \expandafter\uc@authornothanks\@author\and\relax
12766         \else
12767             \@author
12768         \fi
12769     \end{tabular}\par}%
12770     \vskip 1.5em%
12771     {\large
12772     \if@allcaps
12773         \uppercase\expandafter{\@date}%
12774     \else
12775         \@date
12776     \fi\par}%
12777     \end{center}\par
12778     \@thanks
12779     \vfil\null
12780     \end{titlepage}%
12781     \setcounter{footnote}{0}%
12782     \global\let\thanks\relax
12783     \global\let\LTRthanks\relax
12784     \global\let\RTLthanks\relax
12785     \global\let\maketitle\relax
12786     \global\let\@thanks\@empty
12787     \global\let\@author\@empty
12788     \global\let\@title\@empty
12789     \global\let\@date\@empty
12790     \global\let\title\relax
12791     \global\let\author\relax
12792     \global\let\date\relax
12793     \global\let\and\relax
12794 }
12795 \def\uc@nothanks#1\thanks{\uppercase{#1}\futurelet\@tempa\uc@tx}

```



```

12796 \def\uc@authornothanks#1\and{\uc@nothanks#1\thanks\relax
12797     \futurelet\@tempa\uc@ax}
12798 \def\uc@ax{%
12799     \ifx\@tempa\relax
12800     \else
12801         \\\andname \\\expandafter\uc@authornothanks
12802     \fi}
12803 \def\uc@tx{\ifx\@tempa\relax
12804     \else \expandafter\uc@ty \fi}
12805 \def\uc@ty#1{\thanks{#1}\uc@nothanks}
12806 \else
12807 \renewcommand*\maketitle{\par
12808     \begingroup
12809     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
12810     \def\@makefnmark{\rlap{%
12811         \@textsuperscript{\normalfont\@thefnmark}}}%
12812     \long\def\@makefntext{\@xmakefntext{%
12813         \@textsuperscript{\normalfont\@thefnmark}}}%
12814     \if@twocolumn
12815         \ifnum \col@number=\@one
12816             \@maketitle
12817         \else
12818             \twocolumn[\@maketitle]%
12819         \fi
12820     \else
12821         \newpage
12822         \global\@topnum\z@
12823         \@maketitle
12824     \fi
12825     \thispagestyle{plain}\@thanks
12826 \endgroup
12827 \setcounter{footnote}{0}%
12828 \global\let\thanks\relax
12829 \global\let\LTRthanks\relax
12830 \global\let\RTLthanks\relax
12831 \global\let\maketitle\relax
12832 \global\let\@maketitle\relax
12833 \global\let\@thanks\@empty
12834 \global\let\@author\@empty
12835 \global\let\@title\@empty
12836 \global\let\@date\@empty
12837 \global\let\title\relax
12838 \global\let\author\relax
12839 \global\let\date\relax
12840 \global\let\and\relax
12841 }
12842 \def\@maketitle{%
12843     \newpage
12844     \null
12845     \vskip 2em%

```



```

12846 \if@titlecentered
12847   \begin{center}%
12848     \let \footnote \thanks
12849     \let \LTRfootnote \LTRthanks
12850     \let \RTLfootnote \RTLthanks
12851     {\LARGE \TitleFont \@title \par}%
12852     \vskip 1.5em%
12853     {\large \TitleFont
12854       \lineskip .5em%
12855       \begin{tabular}[t]{c}%
12856         \@author
12857       \end{tabular}\par}%
12858     \vskip 1em%
12859     {\large \TitleFont \@date}%
12860   \end{center}%
12861 \else
12862   {\LARGE \TitleFont \head@style \@title \par} \vskip 1.5em
12863   {\large \TitleFont \lineskip .5em \tabcolsep\z@
12864     \def\and{%% \begin{tabular} has already started
12865       \end{tabular}\hskip 1em plus .17fil
12866       \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi}% \end{tabular} will
12867       \if@RTL\begin{tabular}[t]{r}\else\begin{tabular}[t]{l}\fi \@author\end{tabular}\par}
12868     \vskip 1em {\large \TitleFont \@date}
12869 \fi
12870 \par
12871 \vskip 1.5em}
12872 \fi
12873 \renewcommand*\@regtocline[3]{%
12874   \ifnum #1>\c@tocdepth
12875   \else
12876     \vskip\z@\@plus.2\p@
12877     {\hangindent\z@ \@afterindenttrue \interlinepenalty\@M
12878       \if@RTL\righskip\else\leftskip\fi\unitindent
12879       \if@RTL\leftskip\else\righskip\fi\unitindent\@plus 1fil
12880       \parfillskip\z@
12881       \@tempdima\unitindent
12882       \parindent\z@
12883       \leavevmode
12884       \hbox{}\hskip -\if@RTL\righskip\else\leftskip\fi\relax#2\nobreak
12885       \hskip 1em \nobreak{\slshape #3}\par
12886     }%
12887   \fi}
12888 \if@oldtoc
12889 \renewcommand*\l@part[2]{%
12890   \ifnum \c@tocdepth >-2\relax
12891     \addpenalty{-\@highpenalty}%
12892     \addvspace{2.25em \@plus\p@}%
12893     \begingroup
12894       \setlength\@tempdima{3em}%
12895       \parindent \z@ \if@RTL\leftskip\else\righskip\fi \@pnumwidth

```



```

12896     \parfillskip -\@pnumwidth
12897     {\leavevmode
12898       \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
12899       \nobreak
12900       \global\@nobreaktrue
12901       \everypar{\global\@nobreakfalse\everypar{}}%
12902     \endgroup
12903   \fi}
12904 \else
12905   \renewcommand*\l@part{%
12906     \ifnum \c@tocdepth >-2\relax
12907       \addpenalty{-\@highpenalty}%
12908       \addvspace{2.25em \@plus \p@}%
12909       \@regtocline{0}%
12910     \fi}
12911 \fi
12912 \if@oldtoc
12913 \renewcommand*\l@chapter[2]{%
12914   \addpenalty{-\@highpenalty}%
12915   \vskip 1.0em \@plus \p@
12916   \setlength\@tempdima{1.5em}%
12917   \begingroup
12918     \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
12919     \parfillskip -\@pnumwidth
12920     \leavevmode \bfseries
12921     \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
12922     \hskip -\if@RTL\rightskip\else\leftskip\fi
12923     #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
12924     \penalty\@highpenalty
12925   \endgroup}
12926 \else
12927   \renewcommand*\l@chapter{\@regtocline{0}}
12928 \fi
12929 \renewcommand*\head@style{%
12930   \interlinepenalty \@M
12931   \hyphenpenalty=\@M \exhyphenpenalty=\@M
12932   \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
12933 \if@titlepage
12934   \renewenvironment{abstract}{%
12935     \titlepage
12936     \null\vfil
12937     \section*{\SectFont\abstractname}%
12938     \noindent\ignorespaces}
12939   {\par\vfil\null\endtitlepage}
12940 \else
12941   \renewenvironment{abstract}{%
12942     \if@twocolumn
12943       \section*{\abstractname}%
12944     \else
12945       \bgroup\if@RTL\leftskip\else\rightskip\fi=\unitindent

```



```

12946      \section*{\small\SectFont\abstractname}%
12947      \noindent\ignorespaces
12948      \fi}
12949      {\if@twocolumn\else\par\egroup\fi}
12950 \fi
12951 \renewcommand*\thesection{\thechapter\@SepMark\@arabic\c@section}
12952 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
12953 \renewcommand*\thesubsubsection{\thesubsection\@SepMark\@arabic\c@subsubsection}
12954 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
12955 \renewcommand*\thesubparagraph{\theparagraph\@SepMark\@arabic\c@subparagraph}
12956 \renewcommand*\thefigure{%
12957   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@figure}
12958 \renewcommand*\thetable{%
12959   \ifnum\c@chapter>\z@\thechapter\@SepMark\fi\@arabic\c@table}
12960 \renewcommand*\theequation{%
12961   \ifnum \c@chapter>\z@ \thechapter\@SepMark\fi\@arabic\c@equation}
12962 \renewenvironment{thebibliography}[1]
12963   {\chapter*{\bibname}%
12964    \mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
12965    \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
12966    \list{\@biblabel{\@arabic\c@enumiv}}%
12967      {\settowidth\labelwidth{\@biblabel{#1}}%
12968       \leftmargin\labelwidth
12969       \advance\leftmargin\labelsep
12970       \@openbib@code
12971       \usecounter{enumiv}%
12972       \let\p@enumiv\@empty
12973       \renewcommand*\theenumiv{\@arabic\c@enumiv}}%
12974    \sloppy\clubpenalty4000\widowpenalty4000%
12975    \sfcode`\.\@m}
12976 {\def\@noitemerr
12977   {\@latex@warning{Empty `thebibliography' environment}}}%
12978 \endlist}
12979 \renewcommand*\left@footnoterule{%
12980   \kern-3\p@
12981   \kern.5\baselineskip
12982   \hrule\@width\unitindent
12983   \kern.4\baselineskip
12984 }
12985 \renewcommand*\right@footnoterule{%
12986   \hbox to \columnwidth
12987   {\beginR \vbox{%
12988     \kern-3\p@
12989     \kern.5\baselineskip
12990     \hrule\@width\unitindent
12991     \kern.4\baselineskip}\hfil\endR}
12992 }
12993 \renewcommand*\head@style{%
12994   \interlinepenalty \@M
12995   \hyphenpenalty=\@M \exhyphenpenalty=\@M

```



```
12996 \if@RTL\leftskip\else\rightskip\fi=0cm plus .7\hsize\relax}
```

7.94 refrep-xetex-bidi.def

```
12997 \ProvidesFile{refrep-xetex-bidi.def}[2010/07/25 v0.3 bidi adaptations for refrep class for XeTeX]
12998 \if@titlepage
12999 \renewcommand\maketitle{\begin{titlepage}%
13000 \let\footnotesize\small
13001 \let\right@footnoterule\relax
13002 \let\left@footnoterule\relax
13003 \let\textwidth@footnoterule\relax
13004 \let\footnote\thanks
13005 \let\LTRfootnote\LTRthanks
13006 \let\RTLfootnote\RTLthanks
13007 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13008 \def\@makefnmark%
13009 { \rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13010 \long\def\@makefnmark##1{%
13011 \setpar{\@par
13012 \tempdima = \hsize
13013 \advance\tempdima -1em
13014 \parshape \@ne 1em \tempdima}%
13015 \par\parindent 1em \noindent
13016 \hb@xt@\z@\{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
13017 \null\vfil
13018 \vskip 60\p@
13019 \begin{center}%
13020 {\LARGE \@title \par}%
13021 \vskip 3em%
13022 {\large
13023 \lineskip .75em%
13024 \begin{tabular}[t]{c}%
13025 \author
13026 \end{tabular}\par}%
13027 \vskip 1.5em%
13028 {\large \@date \par}% % Set date in \large size.
13029 \end{center}\par
13030 \@thanks
13031 \vfil\null
13032 \end{titlepage}%
13033 \setcounter{footnote}{0}%
13034 \global\let\thanks\relax
13035 \global\let\LTRthanks\relax
13036 \global\let\RTLthanks\relax
13037 \global\let\maketitle\relax
13038 \global\let\@thanks\@empty
13039 \global\let\@author\@empty
13040 \global\let\@date\@empty
13041 \global\let\@title\@empty
13042 \global\let\title\relax
```



```

13043 \global\let\author\relax
13044 \global\let\date\relax
13045 \global\let\and\relax
13046 }
13047 \else
13048 \renewcommand\maketitle{\par
13049 \begingroup
13050 \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13051 \def\@makefnmark%
13052 {\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%
13053 \long\def\@makefntext##1{%
13054 \setpar{\@par
13055 \@tempdima = \hsize
13056 \advance\@tempdima -1em
13057 \parshape \@ne 1em \@tempdima}%
13058 \par\parindent 1em \noindent
13059 \hb@xt@\z@{\hss\@textsuperscript{\normalfont\@thefnmark}\,}##1}
13060 \if@twocolumn
13061 \ifnum \col@number=\@ne
13062 \@maketitle
13063 \else
13064 \twocolumn[\@maketitle]%
13065 \fi
13066 \else
13067 \newpage
13068 \global\@topnum\z@ % Prevents figures from going at top of page.
13069 \@maketitle
13070 \fi
13071 \thispagestyle{empty}\@thanks
13072 \endgroup
13073 \setcounter{footnote}{0}%
13074 \global\let\thanks\relax
13075 \global\let\LTRthanks\relax
13076 \global\let\RTLthanks\relax
13077 \global\let\maketitle\relax
13078 \global\let\@maketitle\relax
13079 \global\let\@thanks\@empty
13080 \global\let\@author\@empty
13081 \global\let\@date\@empty
13082 \global\let\@title\@empty
13083 \global\let\title\relax
13084 \global\let\author\relax
13085 \global\let\date\relax
13086 \global\let\and\relax
13087 }
13088 \def\@maketitle{%
13089 \newpage
13090 \null
13091 \longthickrule\vskip1.5em%
13092 \let \footnote \thanks

```



```

13093 \let \LTRfootnote \LTRthanks
13094 \let \RTLfootnote \RTLthanks
13095 {\secshape \parskip\z@ \parindent\z@
13096 \Large\bfseries \@title \par}%
13097 \vskip1.5em\longthickrule\vskip1.5em%
13098 {\normalsize
13099 \lineskip .5em%
13100 \begin{flushright}%
13101 {\slshape\@author\par}
13102 \vskip 1em%
13103 {\@date}%
13104 \end{flushright}\par}%
13105 \vskip 1.5em}
13106 \fi
13107 \renewcommand*\l@part[2]{%
13108 \ifnum \c@tocdepth >-2\relax
13109 \addpenalty{-\@highpenalty}%
13110 \addvspace{2.25em \@plus\p@}%
13111 \begingroup
13112 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13113 \parfillskip -\@pnumwidth
13114 {\leavevmode
13115 \large \bfseries #1\hfil \hbox to\@pnumwidth{\hss #2}}\par
13116 \nobreak
13117 \global\@nobreaktrue
13118 \everypar{\global\@nobreakfalse\everypar{}}%
13119 \endgroup
13120 \fi}
13121 \renewcommand*\l@chapter[2]{%
13122 \ifnum \c@tocdepth >\m@ne
13123 \addpenalty{-\@highpenalty}%
13124 \vskip 1.0em \@plus\p@
13125 \setlength\@tempdima{1.5em}%
13126 \begingroup
13127 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13128 \parfillskip -\@pnumwidth
13129 \leavevmode \bfseries
13130 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13131 \hskip -\if@RTL\rightskip\else\leftskip\fi
13132 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13133 \penalty\@highpenalty
13134 \endgroup
13135 \fi}
13136 \renewcommand\secshape{\if@RTL\rightskip\else\leftskip\fi=-\leftmarginwidth%
13137 \if@RTL\leftskip\else\rightskip\fi=\@flushglue%
13138 \hyphenpenalty=2000}
13139 \renewcommand\left@footnoterule{%
13140 \kern-3\p@
13141 \hrule\@width.4\columnwidth
13142 \kern 2.6\p@}

```




```

13143 \renewcommand\right@footnoterule{%
13144   \hbox to \columnwidth
13145   {\beginR \vbox{%
13146     \kern-3\p@
13147     \hrule\@width.4\columnwidth
13148     \kern 2.6\p@}\hfil\endR}}
13149 \renewcommand\theequation
13150 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13151 \renewcommand\thefigure
13152   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
13153 \renewcommand\thetable%
13154   {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
13155 \renewcommand\thesection {\thechapter\@SepMark\@arabic\c@section}
13156 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
13157 \renewcommand\thesubsubsection {\thesubsection\@SepMark\@arabic\c@subsubsection}
13158 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
13159 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
13160 \renewenvironment{thebibliography}[1]
13161   {\chapter*\bibname
13162     \@mkboth{\bibname}{\bibname}}%
13163   \ifRTL\ifLTRbibitems\RTLfalse\else\fi\else\ifRTLbibitems\RTLtrue\else\fi\fi
13164   \list{\@biblabel{\@arabic\c@enumiv}}%
13165     {\settowidth\labelwidth{\@biblabel{#1}}%
13166      \leftmargin\labelwidth
13167      \advance\leftmargin\labelsep
13168      \openbib@code
13169      \usecounter{enumiv}%
13170      \let\p@enumiv\empty
13171      \renewcommand\theenumiv{\@arabic\c@enumiv}}%
13172     \sloppy
13173     \clubpenalty4000
13174     \@clubpenalty \clubpenalty
13175     \widowpenalty4000%
13176   \sfcode`\.=\@m}
13177   {\def\@noitemerr
13178     {\@latex@warning{Empty `thebibliography' environment}}}%
13179   \endlist}

```

7.95 report-xetex-bidi.def

```

13180 \ProvidesFile{report-xetex-bidi.def}[2011/08/26 v0.6 bidi adaptations for standard report class]
13181 \renewenvironment{theindex}
13182   {\if@twocolumn
13183     \@restonecolfalse
13184     \else
13185       \@restonecoltrue
13186     \fi
13187     \columnseprule \z@
13188     \columnsep 35\p@
13189     \twocolumn[\@makeschapterhead{\indexname}}%

```



```

13190             \@mkboth{\MakeUppercase\indexname}%
13191             {\MakeUppercase\indexname}%
13192             \thispagestyle{plain}\parindent\z@
13193             \parskip\z@ \@plus .3\p@\relax
13194             \let\item\@idxitem}
13195         {\if@restonecol\onecolumn\else\clearpage\fi}
13196     \if@titlepage
13197     \renewcommand\maketitle{\begin{titlepage}%
13198     \let\footnotesize\small
13199     \let\right@footnoterule\relax
13200     \let\left@footnoterule\relax
13201     \let\textwidth\footnoterule\relax
13202     \let \footnote \thanks
13203     \let \LTRfootnote \LTRthanks
13204     \let \RTLfootnote \RTLthanks
13205     \null\vfil
13206     \vskip 60\p@
13207     \begin{center}%
13208         {\LARGE \@title \par}%
13209         \vskip 3em%
13210         {\large
13211         \lineskip .75em%
13212         \begin{tabular}[t]{c}%
13213             \@author
13214             \end{tabular}\par}%
13215         \vskip 1.5em%
13216         {\large \@date \par}%           % Set date in \large size.
13217     \end{center}\par
13218     \@thanks
13219     \vfil\null
13220     \end{titlepage}%
13221     \setcounter{footnote}{0}%
13222     \global\let\thanks\relax
13223     \global\let\LTRthanks\relax
13224     \global\let\RTLthanks\relax
13225     \global\let\maketitle\relax
13226     \global\let\@thanks\@empty
13227     \global\let\@author\@empty
13228     \global\let\@date\@empty
13229     \global\let\@title\@empty
13230     \global\let\title\relax
13231     \global\let\author\relax
13232     \global\let\date\relax
13233     \global\let\and\relax
13234 }
13235 \else
13236 \renewcommand\maketitle{\par
13237 \beginingroup
13238     \renewcommand\thefootnote{\@fnsymbol\c@footnote}%
13239     \def\@makefnmark{\rlap{\@textsuperscript{\normalfont\@thefnmark}}}%

```



```

13240 \long\def\@makefntext##1{\parindent 1em\noindent
13241 \hb@xt@1.8em{%
13242 \hss\@textsuperscript{\normalfont\@thefnmark}}##1}%
13243 \if@twocolumn
13244 \ifnum \col@number=\@ne
13245 \@maketitle
13246 \else
13247 \twocolumn[\@maketitle]%
13248 \fi
13249 \else
13250 \newpage
13251 \global\@topnum\z@ % Prevents figures from going at top of page.
13252 \@maketitle
13253 \fi
13254 \thispagestyle{plain}\@thanks
13255 \endgroup
13256 \setcounter{footnote}{0}%
13257 \global\let\thanks\relax
13258 \global\let\LTRthanks\relax
13259 \global\let\RTLthanks\relax
13260 \global\let\maketitle\relax
13261 \global\let\@maketitle\relax
13262 \global\let\@thanks\@empty
13263 \global\let\@author\@empty
13264 \global\let\@date\@empty
13265 \global\let\@title\@empty
13266 \global\let\title\relax
13267 \global\let\author\relax
13268 \global\let\date\relax
13269 \global\let\and\relax
13270 }
13271 \def\@maketitle{%
13272 \newpage
13273 \null
13274 \vskip 2em%
13275 \begin{center}%
13276 \let \footnote \thanks
13277 \let \LTRfootnote \LTRthanks
13278 \let \RTLfootnote \RTLthanks
13279 {\LARGE \@title \par}%
13280 \vskip 1.5em%
13281 {\large
13282 \lineskip .5em%
13283 \begin{tabular}[t]{c}%
13284 \@author
13285 \end{tabular}\par}%
13286 \vskip 1em%
13287 {\large \@date}%
13288 \end{center}%
13289 \par

```



```

13290 \vskip 1.5em}
13291 \fi
13292 \renewcommand*\l@part[2]{%
13293 \ifnum \c@tocdepth >-2\relax
13294 \addpenalty{-\@highpenalty}%
13295 \addvspace{2.25em \@plus\p@}%
13296 \setlength\@tempdima{3em}%
13297 \begingroup
13298 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13299 \parfillskip -\@pnumwidth
13300 {\leavevmode
13301 \large \bfseries #1\hfil \hb@xt@\@pnumwidth{\hss #2}}\par
13302 \nobreak
13303 \global\@nobreaktrue
13304 \everypar{\global\@nobreakfalse\everypar{}}%
13305 \endgroup
13306 \fi}
13307 \renewcommand*\l@chapter[2]{%
13308 \ifnum \c@tocdepth >\m@ne
13309 \addpenalty{-\@highpenalty}%
13310 \vskip 1.0em \@plus\p@
13311 \setlength\@tempdima{1.5em}%
13312 \begingroup
13313 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13314 \parfillskip -\@pnumwidth
13315 \leavevmode \bfseries
13316 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
13317 \hskip -\if@RTL\rightskip\else\leftskip\fi
13318 #1\nobreak\hfil \nobreak\hb@xt@\@pnumwidth{\hss #2}\par
13319 \penalty\@highpenalty
13320 \endgroup
13321 \fi}
13322 \renewcommand\left@footnoterule{%
13323 \kern-3\p@
13324 \hrule\@width.4\columnwidth
13325 \kern2.6\p@}
13326 \renewcommand\right@footnoterule{%
13327 \hbox to \columnwidth
13328 {\beginR \vbox{%
13329 \kern-3\p@
13330 \hrule\@width.4\columnwidth
13331 \kern2.6\p@}\hfil\endR}}
13332 \renewcommand\theequation
13333 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@equation}
13334 \renewcommand \thefigure
13335 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@figure}
13336 \renewcommand \thetable
13337 {\ifnum \c@chapter>\z@ \thechapter\@SepMark\fi \@arabic\c@table}
13338 \renewcommand \thechapter {\@arabic\c@chapter}
13339 \renewcommand \thesection {\thechapter\@SepMark\@arabic\c@section}

```



```

13340 \renewcommand\thesubsection {\thesection\@SepMark\@arabic\c@subsection}
13341 \renewcommand\thesubsubsection{\thesubsection \@SepMark\@arabic\c@subsubsection}
13342 \renewcommand\theparagraph {\thesubsubsection\@SepMark\@arabic\c@paragraph}
13343 \renewcommand\thesubparagraph {\theparagraph\@SepMark\@arabic\c@subparagraph}
13344 \def\@makechapterhead#1{%
13345   \vspace*{50\p@}%
13346   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi \normalfont
13347     \ifnum \c@secnumdepth >\m@ne
13348       \huge\bfseries \@chapapp\space \thechapter
13349       \par\nobreak
13350       \vskip 20\p@
13351     \fi
13352     \interlinepenalty\@M
13353     \Huge \bfseries #1\par\nobreak
13354     \vskip 40\p@
13355   }}
13356 \def\@makeschapterhead#1{%
13357   \vspace*{50\p@}%
13358   {\parindent \z@ \if@RTL\raggedleft\else\raggedright\fi
13359     \normalfont
13360     \interlinepenalty\@M
13361     \Huge \bfseries #1\par\nobreak
13362     \vskip 40\p@
13363   }}
13364 \renewenvironment{thebibliography}[1]
13365   {\chapter*{\bibname}%
13366     \@mkboth{\MakeUppercase\bibname}{\MakeUppercase\bibname}%
13367     \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13368     \list{\@biblabel{\@arabic\c@enumiv}}%
13369       {\settowidth\labelwidth{\@biblabel{#1}}%
13370        \leftmargin\labelwidth
13371        \advance\leftmargin\labelsep
13372        \@openbib@code
13373        \usecounter{enumiv}%
13374        \let\p@enumiv\@empty
13375        \renewcommand\theenumiv{\@arabic\c@enumiv}}%
13376     \sloppy
13377     \clubpenalty4000
13378     \@clubpenalty \clubpenalty
13379     \widowpenalty4000%
13380     \sfcode`.\@m}
13381 {\def\@noitemerr
13382   {\@latex@warning{Empty `thebibliography' environment}}}%
13383 \endlist}

```

7.96 rotating-xetex-bidi.def

```

13384 \ProvidesFile{rotating-xetex-bidi.def}[2013/05/22 v0.2 bidi adaptations for rotating package for
13385 \def\end@rotfloat{%
13386   \end{minipage}\end{lrbox}%

```



```

13387 \stepcounter{r@tfl@t}%
13388 \rot@label{RF\ther@tfl@t}%
13389 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
13390 \edef\@tempa{Adding sideways \@cotype\space on page \R@@page\space}
13391 \rot@mess@toks\expandafter{\@tempa}
13392 \wd\rot@float@box\z@
13393 \ht\rot@float@box\z@
13394 \dp\rot@float@box\z@
13395 \vboxL to \textheight{%
13396 \setkeys{Grot}{units=360}%
13397 \if@rot@twoside
13398 \else
13399 \let\R@@page\rot@LR
13400 \fi
13401 \ifthenelse{\isodd{\R@@page}}{%
13402 \if@rot@twoside
13403 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}}%
13404 \fi
13405 \vfill
13406 @@line{%
13407 \hskip\rotFPtop
13408 \rotatebox{90}{\box\rot@float@box}%
13409 \hskip\rotFPbot
13410 }%
13411 }{%
13412 \if@rot@twoside
13413 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}}%
13414 \fi
13415 @@line{%
13416 \hskip\rotFPbot
13417 \rotatebox{-90}{\box\rot@float@box}%
13418 \hskip\rotFPtop
13419 }%
13420 \vfill
13421 }%
13422 \rot@message{\the\rot@mess@toks}
13423 }%
13424 \end@float
13425 }
13426 \let\endsidewaysfigure\end@rotfloat
13427 \let\endsidewaystable\end@rotfloat
13428 \def\end@rotdblfloat{%
13429 \end{minipage}\end{lrbox}%
13430 \stepcounter{r@tfl@t}%
13431 \rot@label{RF\ther@tfl@t}%
13432 \rot@pageref{RF\ther@tfl@t}{\R@@page}%
13433 \edef\@tempa{Adding sideways \@cotype\space on page \R@@page\space}
13434 \rot@mess@toks\expandafter{\@tempa}
13435 \@tempdima\ht\rot@float@box
13436 \advance\@tempdima by \dp\rot@float@box

```



```

13437 \wd\rot@float@box\z@
13438 \ht\rot@float@box\z@
13439 \dp\rot@float@box\z@
13440 \vboxL to \textheight{%
13441 \setkeys{Grot}{units=360}%
13442 \if@rot@twoside
13443 \else
13444 \let\R@@page\rot@LR
13445 \fi
13446 \ifthenelse{\isodd{\R@@page}}{%
13447 \ifrot@messages
13448 \if@rot@twoside
13449 \rot@mess@toks\expandafter{\the\rot@mess@toks (right hand page)}%
13450 \fi
13451 \fi
13452 \vfill
13453 @@line{%
13454 \hskip\rotFPtop
13455 \rotatebox{90}{\box\rot@float@box}%
13456 \hskip\rotFPbot
13457 }%
13458 }{%
13459 \ifrot@messages
13460 \if@rot@twoside
13461 \rot@mess@toks\expandafter{\the\rot@mess@toks (left hand page)}%
13462 \fi
13463 \fi%
13464 @@line{%
13465 \hskip\rotFPbot
13466 \rotatebox{-90}{\box\rot@float@box}%
13467 \hskip\rotFPtop
13468 }%
13469 \vfill
13470 }%
13471 \rot@message{\the\rot@mess@toks}%
13472 }%
13473 \end@dblfloat
13474 }
13475 \def\turn#1{%
13476 \Grot@setangle{#1}%
13477 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
13478 \def\endturn{%
13479 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
13480 \unskip\color@endbox
13481 \Grot@x\z@
13482 \Grot@y\z@
13483 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13484 }
13485 \def\rotate#1{%
13486 \Grot@setangle{#1}%

```



```

13487 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
13488 \def\endrotate{%
13489 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
13490 \unskip\color@endbox
13491 \Grot@x\z@
13492 \Grot@y\z@
13493 \wd0\z@\dp0\z@\ht0\z@
13494 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13495 }
13496 \def\turnbox#1#2{%
13497 \Grot@setangle{#1}%
13498 \setbox\z@\hbox{{\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi#2\ifmmode\if@RTL\endR\fi\fi}}
13499 \Grot@x\z@\Grot@y\z@
13500 \wd0\z@\dp0\z@\ht0\z@
13501 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13502 }
13503 \def\sideways{%
13504 \Grot@setangle{90}%
13505 \setbox\z@\color@hbox\ifmmode\if@RTL\beginR\fi\else\if@RTL\beginR\fi\fi\ignorespaces}
13506 \def\endsideways{%
13507 \ifmmode\if@RTL\endR\fi\else\if@RTL\endR\fi\fi
13508 \unskip\color@endbox
13509 \Grot@x\z@
13510 \Grot@y\z@
13511 \ifmmode\else\if@RTL\beginL\fi\fi\Grot@box\ifmmode\else\if@RTL\endL\fi\fi
13512 }

```

7.97 scrartcl-xetex-bidi.def

```

13513 \ProvidesFile{scrartcl-xetex-bidi.def}[2012/01/01 v0.6 bidi adaptations for scrartcl class for Xe
13514 \newcommand{\scr@saved@LTRfootnotetext}{}
13515 \newcommand{\scr@saved@RTLfootnotetext}{}
13516 \let\scr@saved@footnotetext\@footnotetext
13517 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
13518 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
13519 \renewcommand{\@footnotetext}[1]{%
13520 \scr@saved@footnotetext{#1}%
13521 \csname FN@mfp@prepare\endcsname
13522 }
13523 \renewcommand{\@LTRfootnotetext}[1]{%
13524 \scr@saved@LTRfootnotetext{#1}%
13525 \csname FN@mfp@prepare\endcsname
13526 }
13527 \renewcommand{\@RTLfootnotetext}[1]{%
13528 \scr@saved@RTLfootnotetext{#1}%
13529 \csname FN@mfp@prepare\endcsname
13530 }
13531 \renewcommand\deffootnote[4][1]{%
13532 \long\def\@makefnctext##1{%
13533 \setlength{\@tempdimc}{#3}%

```




```

13534 \def\@tempa{#1}\ifx\@tempa\empty
13535 \setpar{\@par
13536 \tempdima = \hsize
13537 \addtolength{\tempdima}{-#2}%
13538 \ifRTL\parshape \@ne Opt \tempdima\else\parshape \@ne #2 \tempdima\fi}%
13539 \else
13540 \addtolength{\tempdimc}{#2}%
13541 \addtolength{\tempdimc}{-#1}%
13542 \setpar{\@par
13543 \tempdima = \hsize
13544 \addtolength{\tempdima}{-#1}%
13545 \tempdimb = \hsize
13546 \addtolength{\tempdimb}{-#2}%
13547 \ifRTL\parshape \tw@ Opt \tempdima Opt \tempdimb\else\parshape \tw@ #1 \tempdima #2 \tempdimb\fi}%
13548 }%
13549 \fi
13550 \par
13551 \parindent\tempdimc\noindent
13552 \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
13553 }%
13554 \def\@makefnmark{\hbox{\ftn@font{#4}}}%
13555 }
13556 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
13557 \renewcommand*\left@footnoterule{%
13558 \normalsize\ftn@rule@test@values
13559 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
13560 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13561 {\usekomafont{footnoterule}{%
13562 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
13563 \kern 2.6\p@}
13564 \renewcommand*\right@footnoterule{%
13565 \hbox to \columnwidth
13566 {\beginR \vbox{\kern -3\p@
13567 \normalsize\ftn@rule@test@values
13568 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
13569 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13570 {\usekomafont{footnoterule}{%
13571 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
13572 \kern 2.6\p@}\hfil\endR}}
13573 \renewcommand*\maketitle[1][1]{%
13574 \if@titlepage
13575 \begin{titlepage}
13576 \setcounter{page}{%
13577 #1%
13578 }%
13579 \let\footnotesize\small
13580 \let\right@footnoterule\relax
13581 \let\left@footnoterule\relax
13582 \let\textwidth\footnoterule\relax
13583 \let\footnote\thanks

```



```

13584 \let\LTRfootnote\LTRthanks
13585 \let\RTLfootnote\RTLthanks
13586 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13587 \let\@oldmakefnmark\@makefnmark
13588 \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}%
13589 \ifx\@extratitle\@empty \else
13590 \noindent\@extratitle\next@tpage\cleardoubleemptypage
13591 \thispagestyle{empty}%
13592 \fi
13593 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
13594 \ifx\@titlehead\@empty \else
13595 \begin{minipage}[t]{\textwidth}%
13596 \@titlehead
13597 \end{minipage}\par
13598 \fi
13599 \null\vfill
13600 \begin{center}
13601 \ifx\@subject\@empty \else
13602 {\subject@font \@subject \par}%
13603 \vskip 3em
13604 \fi
13605 {\titlefont\huge \@title\par}%
13606 \vskip 1em
13607 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
13608 \vskip 2em
13609 {\Large \lineskip 0.75em
13610 \begin{tabular}[t]{c}
13611 \@author
13612 \end{tabular}\par
13613 }%
13614 \vskip 1.5em
13615 {\Large \@date \par}%
13616 \vskip \z@\@plus3fill
13617 {\Large \@publishers \par}%
13618 \vskip 3em
13619 \end{center}\par
13620 \@thanks
13621 \vfill\null
13622 \if@twoside\next@tpage
13623 \begin{minipage}[t]{\textwidth}
13624 \@uppertitleback
13625 \end{minipage}\par
13626 \vfill
13627 \begin{minipage}[b]{\textwidth}
13628 \@lowertitleback
13629 \end{minipage}
13630 \fi
13631 \ifx\@dedication\@empty \else
13632 \next@tpage\null\vfill
13633 {\centering \Large \@dedication \par}%

```



```

13634         \vskip \z@ \@plus3fill
13635         \if@twoside \next@tpage\cleardoubleemptypage \fi
13636     \fi
13637     \end{titlepage}
13638 \else
13639     \par
13640     \@tempcnta=%
13641     #1%
13642     \relax\ifnum\@tempcnta=1\else
13643         \ClassWarning{\KOMAClassName}{%
13644             Optional argument of \string\maketitle\space ignored
13645             at\MessageBreak
13646             notitlepage-mode%
13647         }%
13648     \fi
13649     \begingroup
13650         \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
13651         \let\oldmakefnmark\makefnmark
13652         \renewcommand*{\@makefnmark}{\rlap\oldmakefnmark}
13653         \if@twocolumn
13654             \ifnum \col@number=\@ne
13655                 \@maketitle
13656             \else
13657                 \twocolumn[\@maketitle]%
13658             \fi
13659         \else
13660             \newpage
13661             \global\@topnum\z@
13662             \@maketitle
13663         \fi
13664         \thispagestyle{\titlepagestyle}\@thanks
13665     \endgroup
13666 \fi
13667 \setcounter{footnote}{0}%
13668 \let\thanks\relax
13669 \let\LTRthanks\relax
13670 \let\RTLthanks\relax
13671 \let\maketitle\relax
13672 \let\@maketitle\relax
13673 \global\let\@thanks\@empty
13674 \global\let\@author\@empty
13675 \global\let\@date\@empty
13676 \global\let\@title\@empty
13677 \global\let\@subtitle\@empty
13678 \global\let\@extratitle\@empty
13679 \global\let\@titlehead\@empty
13680 \global\let\@subject\@empty
13681 \global\let\@publishers\@empty
13682 \global\let\@uppertitleback\@empty
13683 \global\let\@lowertitleback\@empty

```



```

13684 \global\let\@dedication\@empty
13685 \global\let\author\relax
13686 \global\let\title\relax
13687 \global\let\extratitle\relax
13688 \global\let\titlehead\relax
13689 \global\let\subject\relax
13690 \global\let\publishers\relax
13691 \global\let\uppertitleback\relax
13692 \global\let\lowertitleback\relax
13693 \global\let\dedication\relax
13694 \global\let\date\relax
13695 \global\let\and\relax
13696 }%
13697 \renewcommand*{\@maketitle}{%
13698   \clearpage
13699   \let\footnote\thanks
13700   \let\LTRfootnote\LTRthanks
13701   \let\RTLfootnote\RTLthanks
13702   \ifx\@extratitle\@empty \else
13703     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
13704   \fi
13705   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
13706   \ifx\@titlehead\@empty \else
13707     \begin{minipage}[t]{\textwidth}
13708       \@titlehead
13709     \end{minipage}\par
13710   \fi
13711   \null
13712   \vskip 2em%
13713   \begin{center}%
13714     \ifx\@subject\@empty \else
13715       {\subject@font \@subject \par}
13716       \vskip 1.5em
13717     \fi
13718     {\titlefont\huge \@title \par}%
13719     \vskip .5em
13720     {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
13721     \vskip 1em
13722     {\Large
13723       \lineskip .5em%
13724       \begin{tabular}[t]{c}
13725         \@author
13726       \end{tabular}\par
13727     }%
13728     \vskip 1em%
13729     {\Large \@date \par}%
13730     \vskip \z@ \@plus 1em
13731     {\Large \@publishers \par}
13732     \ifx\@dedication\@empty \else
13733       \vskip 2em

```



```

13734     {\Large \@dedication \par}
13735     \fi
13736   \end{center}%
13737   \par
13738   \vskip 2em
13739 }%
13740 \renewcommand*\l@part[2]{%
13741   \ifnum \c@tocdepth >\m@ne\relax
13742     \addpenalty{\@secpenalty}%
13743     \addvspace{2.25em \@plus\p@}%
13744     \setlength{\@tempdima}{2em}%
13745     \if@tocleft
13746       \ifx\toc@l@number\@empty\else
13747         \setlength{\@tempdima}{0\toc@l@number}%
13748       \fi
13749     \fi
13750     \begingroup
13751       \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13752       \parfillskip -\@pnumwidth
13753       \leavevmode
13754       \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
13755       \hskip -\if@RTL\rightskip\else\leftskip\fi
13756       {\usekomafont{partentry}{#1\nobreak
13757         \usekomafont{partentrypagenumber}{\hfil\nobreak
13758           \hb@xt@{\@pnumwidth}{\hss#2}}}\par
13759       \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
13760       \endgroup
13761       \penalty20010
13762     \else
13763       \if@compatibility
13764         \global\@nobreaktrue
13765         \everypar{\global\@nobreakfalse\everypar{}}%
13766       \else
13767         \penalty\@highpenalty
13768       \fi
13769     \endgroup
13770   \fi
13771 \fi
13772 }
13773 \renewcommand*\l@section[2]{%
13774   \ifnum \c@tocdepth >\z@
13775     \ifnum \lastpenalty<20009
13776       \addpenalty{\@secpenalty}%
13777     \fi
13778     \addvspace{1.0em \@plus\p@}%
13779     \setlength{\@tempdima}{1.5em}%
13780     \if@tocleft
13781       \ifx\toc@l@number\@empty\else
13782         \setlength{\@tempdima}{0\toc@l@number}%
13783       \fi

```



```

13784 \fi
13785 \begingroup
13786 \raggedsectionentry
13787 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
13788 \parfillskip -\@pnumwidth
13789 \interlinepenalty\@M
13790 \leavevmode
13791 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
13792 {\usekomafont{sectionentry}{#1\nobreak
13793 \usekomafont{sectionentrypagenumber}{%
13794 \hfill\nobreak
13795 \hb@xt@\@pnumwidth{\hss#2}}}\par
13796 \endgroup
13797 \ifnum \scr@compatibility>\@nameuse{scr@v02.96}\relax
13798 \penalty20008
13799 \fi
13800 \fi
13801 }
13802 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
13803 \def\raggedpart{\if@RTL\raggedleft\else\raggedright\fi}
13804 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
13805 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@section}
13806 \renewcommand*{\thesubsubsection}{%
13807 \thesubsection\@SepMark\@arabic\c@subsubsection
13808 }
13809 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
13810 \renewcommand*{\thesubparagraph}{%
13811 \theparagraph\@SepMark\@arabic\c@subparagraph
13812 }
13813 \renewenvironment{thebibliography}[1]{%
13814 \if@bib@break@
13815 \bib@beginhook
13816 \else
13817 \bib@heading
13818 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
13819 \noindent\bibpreamble\par\nobreak
13820 \fi\fi
13821 \bib@beginhook
13822 \bib@before@hook
13823 \fi
13824 \renewcommand{\BreakBibliography}[1]{%
13825 \@bib@break
13826 \end{thebibliography}%
13827 \begingroup ##1\endgroup
13828 \begin{thebibliography}{#1}
13829 }%
13830 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
13831 \list{%
13832 \@biblabel{\@arabic\c@enumiv}%
13833 }{%

```



```

13834 \settowidth\labelwidth{\@biblabel{#1}}%
13835 \leftmargin\labelwidth
13836 \advance\leftmargin\labelsep
13837 \@openbib@code
13838 \if@bib@break@
13839 \edef\@tempa{%
13840 \noexpand\usecounter{enumiv}%
13841 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
13842 }\@tempa
13843 \no@bib@break
13844 \else
13845 \usecounter{enumiv}%
13846 \fi
13847 \let\p@enumiv\@empty
13848 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
13849 }%
13850 \sloppy\clubpenalty4000 \widowpenalty4000
13851 \sfcode`\.=\@m
13852 }%
13853 \if@bib@break@
13854 \def\@noitemerr{%
13855 \@latex@warning{%
13856 \string\BreakBibliography\space at begin of `thebibliography'
13857 environment\MessageBreak
13858 or following \string\BreakBibliography}%
13859 }%
13860 \else
13861 \def\@noitemerr{%
13862 \@latex@warning{%
13863 Empty `thebibliography' environment or
13864 \string\BreakBibliography\MessageBreak
13865 before end of `thebibliography' environment}%
13866 }%
13867 \fi
13868 \endlist
13869 \if@bib@break@
13870 \else
13871 \bib@after@hook
13872 \let\bib@before@hook\@empty
13873 \let\bib@after@hook\@empty
13874 \fi
13875 \bib@endhook
13876 }
13877 \renewcommand*\left@footnoterule{%
13878 \kern-3\p@
13879 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13880 \hrule\@width.4\columnwidth
13881 \kern 2.6\p@}
13882 \renewcommand*\right@footnoterule{%
13883 \hbox to \columnwidth

```



```

13884 {\beginR \vbox{%
13885 \kern-3\p@
13886 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
13887 \hrule\@width.4\columnwidth
13888 \kern 2.6\p@\hfil\endR}}
13889 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
13890 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
13891 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
13892 \renewcommand\marginline[1]{%
13893 \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
13894 }
13895 \renewcommand{\@makecaption}[3]{%
13896 \cap@margin
13897 \ifonelinecaptions
13898 \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
13899 \let\scr@tmp@footnotetext=\@footnotetext
13900 \let\@footnotetext=\@gobble
13901 \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
13902 \let\@LTRfootnotetext=\@gobble
13903 \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
13904 \let\@RTLfootnotetext=\@gobble
13905 \sbox\@tempboxa{%
13906 {\capfont{\strut\ignorespaces
13907 #1{\caplabelfont{#2\captionformat}}}%
13908 #3\unskip\strut}}%
13909 }%
13910 \let\@footnotetext=\scr@tmp@footnotetext
13911 \let\scr@tmp@footnotetext=\undefined
13912 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
13913 \let\scr@tmp@LTRfootnotetext=\undefined
13914 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
13915 \let\scr@tmp@RTLfootnotetext=\undefined
13916 \setcounter{footnote}{\@tempcntb}%
13917 \setcounter{mpfootnote}{\@tempcnta}%
13918 \else
13919 \sbox\@tempboxa{\hspace*{2\cap@width}}%
13920 \fi
13921 \begingroup%
13922 \setlength{\@tempdima}{\cap@width}%
13923 \ifdim \wd\@tempboxa >\@tempdima
13924 \hb@xt@\hsize{%
13925 \setbox\@tempboxa\vbox{\hsize=\cap@width
13926 \ifdofullc@p
13927 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
13928 #1{\caplabelfont{#2\captionformat}}}}}%
13929 {\#3\unskip\strut\par}}}%
13930 \else%
13931 \ifdim\cap@indent<\z@
13932 {\capfont{\strut\ignorespaces
13933 #1{\caplabelfont{#2\captionformat\par}}}%

```




```

13934         \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
13935     \else%
13936         \if@capbreak
13937             {\capfont{\strut\ignorespaces
13938                 #1{\caplabelfont{#2\captionformat\par}}}%
13939                 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
13940         \else
13941             {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
13942                 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
13943                 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
13944             \fi
13945         \fi
13946     \fi
13947 }%
13948 \setlength{\@tempdima}{\ht\@tempboxa}%
13949 \addtolength{\@tempdima}{\dp\@tempboxa}%
13950 \addtolength{\@tempdima}{-\ht\strutbox}%
13951 \ht\@tempboxa\ht\strutbox
13952 \dp\@tempboxa\@tempdima
13953 \strut\cap@left
13954 \box\@tempboxa
13955 \cap@right\strut
13956 }%
13957 \else
13958     \global \@minipagefalse
13959     \sbox\@tempboxa{%
13960         {\capfont{\scr@smashdp{\strut\ignorespaces
13961             #1{\caplabelfont{#2\captionformat}}}%
13962             #3}}%
13963     }%
13964     {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap@right\strut}}
13965     \fi
13966 \endgroup
13967 }
13968 \renewcommand{\@makecaption}[2]{%
13969     \if@captionabove
13970         \vskip\belowcaptionskip
13971     \else
13972         \vskip\abovecaptionskip
13973     \fi
13974     \@@makecaption\@firstofone{#1}{#2}%
13975     \if@captionabove
13976         \vskip\abovecaptionskip
13977     \else
13978         \vskip\belowcaptionskip
13979     \fi
13980 }

```

7.98 scrbook-xetex-bidi.def



```

13981 \ProvidesFile{scrbook-xetex-bidi.def}[2012/01/01 v0.6 bidi adaptations for scrbook class for XeT
13982 \newcommand{\scr@saved@LTRfootnotetext}{}
13983 \newcommand{\scr@saved@RTLfootnotetext}{}
13984 \let\scr@saved@footnotetext\@footnotetext
13985 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
13986 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
13987 \renewcommand{\@footnotetext}[1]{%
13988   \scr@saved@footnotetext{#1}%
13989   \csname FN@mfb@prepare\endcsname
13990 }
13991 \renewcommand{\@LTRfootnotetext}[1]{%
13992   \scr@saved@LTRfootnotetext{#1}%
13993   \csname FN@mfb@prepare\endcsname
13994 }
13995 \renewcommand{\@RTLfootnotetext}[1]{%
13996   \scr@saved@RTLfootnotetext{#1}%
13997   \csname FN@mfb@prepare\endcsname
13998 }
13999 \renewcommand\deffootnote[4][ ]{%
14000   \long\def\@makefnmark##1{%
14001     \setlength{\@tempdimc}{#3}%
14002     \def\@tempa{#1}\ifx\@tempa\@empty
14003       \setpar{\@par
14004         \@tempdima = \hsize
14005         \addtolength{\@tempdima}{-#2}%
14006         \if@RTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
14007       \else
14008         \addtolength{\@tempdimc}{#2}%
14009         \addtolength{\@tempdimc}{-#1}%
14010         \setpar{\@par
14011           \@tempdima = \hsize
14012           \addtolength{\@tempdima}{-#1}%
14013           \@tempdimb = \hsize
14014           \addtolength{\@tempdimb}{-#2}%
14015           \if@RTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@te
14016         }%
14017       \fi
14018       \par
14019       \parindent\@tempdimc\noindent
14020       \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
14021     }%
14022     \def\@makefnmark{\hbox{\ftn@font{#4}}}%
14023   }
14024   \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
14025   \renewcommand*\left@footnoterule{%
14026     \normalsize\ftn@rule@test@values
14027     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14028     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14029     {\usekomafont{footnoterule}{%
14030       \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%

```



```

14031 \kern 2.6\p@}
14032 \renewcommand*\right@footnoterule{%
14033 \hbox to \columnwidth
14034 {\beginR \vbox{\kern -3\p@
14035 \normalsize\ftn@rule@test@values
14036 \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14037 \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14038 {\usekomafont{footnoterule}{%
14039 \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}}%
14040 \kern 2.6\p@}\hfil\endR}}
14041 \renewcommand*\maketitle[1][1]{%
14042 \if@titlepage
14043 \begin{titlepage}
14044 \setcounter{page}{%
14045 #1%
14046 }%
14047 \let\footnotesize\small
14048 \let\right@footnoterule\relax
14049 \let\left@footnoterule\relax
14050 \let\textwidth@footnoterule\relax
14051 \let\footnote\thanks
14052 \let\LTRfootnote\LTRthanks
14053 \let\RTLfootnote\RTLthanks
14054 \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14055 \let\@oldmakefnmark\@makefnmark
14056 \renewcommand*\@makefnmark{\@rhap\@oldmakefnmark}%
14057 \ifx\@extratitle\@empty \else
14058 \noindent\@extratitle\next@tpage\cleardoubleemptypage
14059 \thispagestyle{empty}%
14060 \fi
14061 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14062 \ifx\@titlehead\@empty \else
14063 \begin{minipage}[t]{\textwidth}%
14064 \@titlehead
14065 \end{minipage}\par
14066 \fi
14067 \null\vfill
14068 \begin{center}
14069 \ifx\@subject\@empty \else
14070 {\subject@font \@subject \par}%
14071 \vskip 3em
14072 \fi
14073 {\titlefont\huge \@title\par}%
14074 \vskip 1em
14075 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14076 \vskip 2em
14077 {\Large \lineskip 0.75em
14078 \begin{tabular}[t]{c}
14079 \@author
14080 \end{tabular}\par

```



```

14081      }%
14082      \vskip 1.5em
14083      {\Large \@date \par}%
14084      \vskip \z@ \@plus3fill
14085      {\Large \@publishers \par}%
14086      \vskip 3em
14087      \end{center}\par
14088      \@thanks
14089      \vfill\null
14090      \if@twoside\next@tpage
14091        \begin{minipage}[t]{\textwidth}
14092          \uppertitleback
14093        \end{minipage}\par
14094        \vfill
14095        \begin{minipage}[b]{\textwidth}
14096          \lowertitleback
14097        \end{minipage}
14098      \fi
14099      \ifx\@dedication\@empty \else
14100        \next@tpage\null\vfill
14101        {\centering \Large \@dedication \par}%
14102        \vskip \z@ \@plus3fill
14103        \if@twoside \next@tpage\cleardoubleemptypage \fi
14104      \fi
14105      \end{titlepage}
14106    \else
14107      \par
14108      \@tempcnta=%
14109      #1%
14110      \relax\ifnum\@tempcnta=1\else
14111        \ClassWarning{\KOMAClassName}{%
14112          Optional argument of \string\maketitle\space ignored
14113          at\MessageBreak
14114          notitlepage-mode%
14115        }%
14116      \fi
14117      \begingroup
14118        \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14119        \let\@oldmakefnmark\@makefnmark
14120        \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
14121        \if@twocolumn
14122          \ifnum \col@number=\@one
14123            \@maketitle
14124          \else
14125            \twocolumn[\@maketitle]%
14126          \fi
14127        \else
14128          \newpage
14129          \global\@topnum\z@
14130          \@maketitle

```



```

14131     \fi
14132     \thispagestyle{\titlepagestyle}\@thanks
14133   \endgroup
14134 \fi
14135 \setcounter{footnote}{0}%
14136 \let\thanks\relax
14137 \let\LTRthanks\relax
14138 \let\RTLthanks\relax
14139 \let\maketitle\relax
14140 \let\@maketitle\relax
14141 \global\let\@thanks\@empty
14142 \global\let\@author\@empty
14143 \global\let\@date\@empty
14144 \global\let\@title\@empty
14145 \global\let\@subtitle\@empty
14146 \global\let\@extratitle\@empty
14147 \global\let\@titlehead\@empty
14148 \global\let\@subject\@empty
14149 \global\let\@publishers\@empty
14150 \global\let\@uppertitleback\@empty
14151 \global\let\@lowertitleback\@empty
14152 \global\let\@dedication\@empty
14153 \global\let\author\relax
14154 \global\let\title\relax
14155 \global\let\extratitle\relax
14156 \global\let\titlehead\relax
14157 \global\let\subject\relax
14158 \global\let\publishers\relax
14159 \global\let\uppertitleback\relax
14160 \global\let\lowertitleback\relax
14161 \global\let\dedication\relax
14162 \global\let\date\relax
14163 \global\let\and\relax
14164 }%
14165 \renewcommand*{\@maketitle}{%
14166   \clearpage
14167   \let\footnote\thanks
14168   \let\LTRfootnote\LTRthanks
14169   \let\RTLfootnote\RTLthanks
14170   \ifx\@extratitle\@empty \else
14171     \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
14172   \fi
14173   \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14174   \ifx\@titlehead\@empty \else
14175     \begin{minipage}[t]{\textwidth}
14176       \@titlehead
14177     \end{minipage}\par
14178   \fi
14179   \null
14180   \vskip 2em%

```



```

14181 \begin{center}%
14182 \ifx\@subject\@empty \else
14183 {\subject@font \@subject \par}
14184 \vskip 1.5em
14185 \fi
14186 {\titlefont\huge \@title \par}%
14187 \vskip .5em
14188 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14189 \vskip 1em
14190 {\Large
14191 \lineskip .5em%
14192 \begin{tabular}[t]{c}
14193 \@author
14194 \end{tabular}\par
14195 }%
14196 \vskip 1em%
14197 {\Large \@date \par}%
14198 \vskip \z@ \@plus 1em
14199 {\Large \@publishers \par}
14200 \ifx\@dedication\@empty \else
14201 \vskip 2em
14202 {\Large \@dedication \par}
14203 \fi
14204 \end{center}%
14205 \par
14206 \vskip 2em
14207 }%
14208 \renewcommand*\l@part[2]{%
14209 \ifnum \c@tocdepth >-2\relax
14210 \addpenalty{-\@highpenalty}%
14211 \addvspace{2.25em \@plus\p@}%
14212 \setlength{\@tempdima}{2em}%
14213 \if@tocleft
14214 \ifx\toc@l@number\@empty\else
14215 \setlength{\@tempdima}{0\toc@l@number}%
14216 \fi
14217 \fi
14218 \begingroup
14219 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14220 \parfillskip -\@pnumwidth
14221 \leavevmode
14222 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14223 \hskip -\if@RTL\rightskip\else\leftskip\fi
14224 {\usekomafont{partentry}{#1\nobreak
14225 \usekomafont{partentrypagenumber}{\hfil\nobreak
14226 \hb@xt@\@pnumwidth{\hss#2}}}\par
14227 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14228 \endgroup
14229 \penalty20010
14230 \else

```



```

14231         \penalty\@highpenalty
14232     \endgroup
14233     \fi
14234 \fi
14235 }\renewcommand*\l@part[2]{%
14236     \ifnum \c@tocdepth >-2\relax
14237         \addpenalty{-\@highpenalty}%
14238         \addvspace{2.25em \@plus\p@}%
14239         \setlength{\@tempdima}{2em}%
14240         \if@tocleft
14241             \ifx\toc@l@number\@empty\else
14242                 \setlength{\@tempdima}{0\toc@l@number}%
14243             \fi
14244         \fi
14245     \begingroup
14246         \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14247         \parfillskip -\@pnumwidth
14248         \leavevmode
14249         \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14250         \hskip -\if@RTL\rightskip\else\leftskip\fi
14251         {\usekomafont{partentry}{#1\nobreak
14252             \usekomafont{partentrypagenumber}{\hfil\nobreak
14253                 \hb@xt@\@pnumwidth{\hss#2}}}\par
14254         \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14255     \endgroup
14256     \penalty20010
14257     \else
14258         \penalty\@highpenalty
14259     \endgroup
14260     \fi
14261 \fi
14262 }
14263 \renewcommand*\l@chapter[2]{%
14264     \ifnum \c@tocdepth >\m@ne
14265         \ifnum \lastpenalty<20010
14266             \addpenalty{-\@highpenalty}%
14267         \fi
14268         \vskip 1.0em \@plus\p@
14269         \setlength{\@tempdima}{1.5em}%
14270         \if@tocleft
14271             \ifx\toc@l@number\@empty\else
14272                 \setlength{\@tempdima}{0\toc@l@number}%
14273             \fi
14274         \fi
14275     \begingroup
14276         \raggedchapterentry
14277         \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14278         \parfillskip -\@pnumwidth
14279         \interlinepenalty\@M
14280         \leavevmode

```



```

14281 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright
14282 {\usekomafont{chapterentry}{#1\nobreak
14283 \usekomafont{chapterentrypagenumber}{%
14284 \hfill\nobreak
14285 \hb@xt@{\pnumwidth{\hss#2}}}\par
14286 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14287 \endgroup
14288 \penalty20009
14289 \else
14290 \penalty\@highpenalty
14291 \endgroup
14292 \fi
14293 \fi
14294 }
14295 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
14296 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
14297 \renewcommand*\thesection{%
14298 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
14299 \if@mainmatter\thechapter\@SepMark\fi
14300 \else
14301 \thechapter\@SepMark%
14302 \fi
14303 \@arabic\c@section
14304 }
14305 \renewcommand*\thesubsection{\thesection\@SepMark\@arabic\c@subsection}
14306 \renewcommand*\thesubsubsection{%
14307 \thesubsection\@SepMark\@arabic\c@subsubsection
14308 }
14309 \renewcommand*\theparagraph{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14310 \renewcommand*\thesubparagraph{%
14311 \theparagraph\@SepMark\@arabic\c@subparagraph
14312 }
14313 \renewcommand*\thefigure{%
14314 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
14315 \if@mainmatter\thechapter\@SepMark\fi
14316 \else
14317 \thechapter\@SepMark%
14318 \fi
14319 \@arabic\c@figure
14320 }
14321 \renewcommand*\thetable{%
14322 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax
14323 \if@mainmatter\thechapter\@SepMark\fi
14324 \else
14325 \thechapter\@SepMark%
14326 \fi
14327 \@arabic\c@table
14328 }
14329 \renewcommand*\theequation{%
14330 \ifnum \scr@compatibility>\@nameuse{scr@v@2.97d}\relax

```




```

14331 \if@mainmatter\thechapter\@SepMark\fi
14332 \else
14333 \thechapter\@SepMark%
14334 \fi
14335 \@arabic\c@equation
14336 }
14337 \renewenvironment{thebibliography}[1]{%
14338 \if@bib@break@
14339 \bib@beginhook
14340 \else
14341 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
14342 \setchapterpreamble{\bibpreamble}%
14343 \fi\fi
14344 \bib@heading
14345 \bib@beginhook
14346 \bib@before@hook
14347 \fi
14348 \renewcommand{\BreakBibliography}[1]{%
14349 \@bib@break
14350 \end{thebibliography}%
14351 \begingroup ##1\endgroup
14352 \begin{thebibliography}{#1}
14353 }%
14354 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
14355 \list{%
14356 \@biblabel{\@arabic\c@enumiv}%
14357 }{%
14358 \settowidth\labelwidth{\@biblabel{#1}}%
14359 \leftmargin\labelwidth
14360 \advance\leftmargin\labelsep
14361 \@openbib@code
14362 \if@bib@break@
14363 \edef\@tempa{%
14364 \noexpand\usecounter{enumiv}%
14365 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
14366 }\@tempa
14367 \no@bib@break
14368 \else
14369 \usecounter{enumiv}%
14370 \fi
14371 \let\p@enumiv\@empty
14372 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
14373 }%
14374 \sloppy\clubpenalty4000 \widowpenalty4000
14375 \sfcode`\.=\@m
14376 }{%
14377 \if@bib@break@
14378 \def\@noitemerr{%
14379 \@latex@warning{%
14380 \string\BreakBibliography\space at begin of `thebibliography'

```



```

14381         environment\MessageBreak
14382         or following \string\BreakBibliography}%
14383     }%
14384 \else
14385     \def\@noitemerr{%
14386         \@latex@warning{%
14387             Empty `thebibliography' environment or
14388             \string\BreakBibliography\MessageBreak
14389             before end of `thebibliography' environment}%
14390     }%
14391 \fi
14392 \endlist
14393 \if@bib@break@
14394 \else
14395     \bib@after@hook
14396     \let\bib@before@hook\@empty
14397     \let\bib@after@hook\@empty
14398 \fi
14399 \bib@endhook
14400 }
14401 \renewcommand*\left@footnoterule{%
14402     \kern-3\p@
14403     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14404     \hrule\@width.4\columnwidth
14405     \kern 2.6\p@}
14406 \renewcommand*\right@footnoterule{%
14407     \hbox to \columnwidth
14408     {\beginR \vbox{%
14409         \kern-3\p@
14410         \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14411         \hrule\@width.4\columnwidth
14412         \kern 2.6\p@}\hfil\endR}}
14413 \renewcommand*{\raggeddictum}{\if@RTL\raggedright\else\raggedleft\fi}
14414 \renewcommand*{\raggeddictumtext}{\if@RTL\raggedleft\else\raggedright\fi}
14415 \renewcommand*{\raggeddictumauthor}{\if@RTL\raggedright\else\raggedleft\fi}
14416 \renewcommand\marginline[1]{%
14417     \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi}
14418 }
14419 \renewcommand{\@makecaption}[3]{%
14420     \cap@margin
14421     \ifonelinecaptions
14422         \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
14423         \let\scr@tmp@footnotetext=\@footnotetext
14424         \let\@footnotetext=\@gobble
14425         \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
14426         \let\@LTRfootnotetext=\@gobble
14427         \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
14428         \let\@RTLfootnotetext=\@gobble
14429         \sbox\@tempboxa{%
14430             {\capfont{\strut\ignorespaces

```



```

14431      #1{\caplabelfont{#2\captionformat}}}%
14432      #3\unskip\strut}}}%
14433    }%
14434    \let\@footnotetext=\scr@tmp@footnotetext
14435    \let\scr@tmp@footnotetext=\undefined
14436    \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
14437    \let\scr@tmp@LTRfootnotetext=\undefined
14438    \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
14439    \let\scr@tmp@RTLfootnotetext=\undefined
14440    \setcounter{footnote}{\@tempcntb}%
14441    \setcounter{mpfootnote}{\@tempcnta}%
14442  \else
14443    \sbox\@tempboxa{\hspace*{2\cap@width}}%
14444  \fi
14445  \beginingroup%
14446    \setlength{\@tempdima}{\cap@width}%
14447    \ifdim \wd\@tempboxa >\@tempdima
14448      \hb@xt@\hsize{%
14449        \setbox\@tempboxa\vbox{\hsize=\cap@width
14450          \ifdoofullc@p
14451            {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
14452              #1{\caplabelfont{#2\captionformat}}}}}%
14453              {\#3\unskip\strut\par}}}%
14454          \else%
14455            \ifdim\cap@indent<\z@
14456              {\capfont{\strut\ignorespaces
14457                #1{\caplabelfont{#2\captionformat\par}}}%
14458                \noindent\hspace*{-\cap@indent}\#3\unskip\strut\par}}}%
14459            \else%
14460              \if@capbreak
14461                {\capfont{\strut\ignorespaces
14462                  #1{\caplabelfont{#2\captionformat\par}}}%
14463                  \noindent\@hangfrom{\hspace*{\cap@indent}}{\#3\par}}}%
14464              \else
14465                {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}%
14466                  {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
14467                    {\caplabelfont{#2\captionformat}}}\#3\unskip\strut\par}}}%
14468                \fi
14469              \fi
14470            \fi
14471          }%
14472          \setlength{\@tempdima}{\ht\@tempboxa}%
14473          \addtolength{\@tempdima}{\dp\@tempboxa}%
14474          \addtolength{\@tempdima}{-\ht\strutbox}%
14475          \ht\@tempboxa\ht\strutbox
14476          \dp\@tempboxa\@tempdima
14477          \strut\cap@left
14478          \box\@tempboxa
14479          \cap@right\strut
14480        }%

```



```

14481 \else
14482 \global \@minipagefalse
14483 \sbox\@tempboxa{%
14484 {\capfont{\scr@smashdp{\strut\ignorespaces
14485 #1{\caplabelfont{#2\captionformat}}}}}%
14486 #3}}%
14487 }%
14488 {\capfont{\hb@xt@\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
14489 \fi
14490 \endgroup
14491 }
14492 \renewcommand{\@makecaption}[2]{%
14493 \if@captionabove
14494 \vskip\belowcaptionskip
14495 \else
14496 \vskip\abovecaptionskip
14497 \fi
14498 \@@makecaption\@firstofone{#1}{#2}%
14499 \if@captionabove
14500 \vskip\abovecaptionskip
14501 \else
14502 \vskip\belowcaptionskip
14503 \fi
14504 }

```

7.99 scrlettr-xetex-bidi.def

```

14505 \ProvidesFile{scrlettr-xetex-bidi.def}[2011/09/24 v0.2 bidi adaptations for scrlettr class for Xe
14506 \renewcommand\deffootnote[4][ ]{%
14507 \long\def\@makefnmark##1{%
14508 \edef\@tempa{#1}\ifx\@tempa\@empty
14509 \setpar{\@par
14510 \tempdima = \hsize
14511 \addtolength{\tempdima}{-#2}
14512 \if@RTL\parshape \@ne Opt \tempdima\else\parshape \@ne #2 \tempdima\fi}%
14513 \else
14514 \setpar{\@par
14515 \tempdima = \hsize
14516 \addtolength{\tempdima}{-#1}
14517 \tempdimb = \hsize
14518 \addtolength{\tempdimb}{-#2}
14519 \if@RTL\parshape \tw@ Opt \tempdima Opt \tempdimb\else\parshape \tw@ #1 \tempdima #2 \te
14520 \fi
14521 \par
14522 \parindent #3\noindent
14523 \hbox to \z@{\hss\@makefnmark}##1}
14524 \def\@makefnmark{\hbox{#4}}
14525 }
14526 \deffootnote[1em]{1.5em}{1em}
14527 {\textsuperscript{\thefootnotemark}}

```



```

14528 \def\left@footnoterule{\kern-1\p@
14529 \hrule width 0.4\columnwidth
14530 \kern .6\p@}
14531 \def\right@footnoterule{%
14532 \hbox to \columnwidth
14533 {\beginR \vbox{\kern -3\p@
14534 \kern-1\p@
14535 \hrule width 0.4\columnwidth
14536 \kern .6\p@}\hfil\endR}}
14537 \def\@datefield{\@reffalse
14538 \ifx\varyourref\@empty \else \@reftrue \fi
14539 \ifx\varyourmail\@empty \else \@reftrue \fi
14540 \ifx\varmyref\@empty \else \@reftrue \fi
14541 \ifx\varcustomer\@empty \else \@reftrue \fi
14542 \ifx\varinvoice\@empty \else \@reftrue \fi
14543 \ifx\varrefitemi\@empty \else \@reftrue \fi
14544 \ifx\varrefitemii\@empty \else \@reftrue \fi
14545 \ifx\varrefitemiii\@empty \else \@reftrue \fi
14546 \vskip -\parskip
14547 \vskip \refvskip
14548 \if@ref
14549 \ifx\varyourref\@empty \else
14550 \settowidth{\sc@temp}{\varyourref}
14551 \setbox0\hbox{\scriptsize \sf \yourrefname}
14552 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
14553 \parbox[t]{\sc@temp}{\noindent \box0\par \varyourref}\hfill
14554 \fi
14555 \ifx\varyourmail\@empty \else
14556 \settowidth{\sc@temp}{\varyourmail}
14557 \setbox0\hbox{\scriptsize \sf \yourmailname}
14558 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
14559 \parbox[t]{\sc@temp}{\noindent \box0\par \varyourmail}\hfill
14560 \fi
14561 \ifx\varmyref\@empty \else
14562 \settowidth{\sc@temp}{\varmyref}
14563 \setbox0\hbox{\scriptsize \sf \myrefname}
14564 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
14565 \parbox[t]{\sc@temp}{\noindent \box0\par \varmyref}\hfill
14566 \fi
14567 \ifx\varcustomer\@empty \else
14568 \settowidth{\sc@temp}{\varcustomer}
14569 \setbox0\hbox{\scriptsize \sf \customername}
14570 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
14571 \parbox[t]{\sc@temp}{\noindent \box0\par \varcustomer}\hfill
14572 \fi
14573 \ifx\varinvoice\@empty \else
14574 \settowidth{\sc@temp}{\varinvoice}
14575 \setbox0\hbox{\scriptsize \sf \invoicename}
14576 \ifdim \sc@temp > \wd0 \sc@temp\sc@temp \else \sc@temp\wd0 \fi
14577 \parbox[t]{\sc@temp}{\noindent \box0\par \varinvoice}\hfill

```



```

14578 \fi
14579 \ifx\varrefitemi\@empty \else
14580 \settowidth{\sc@temp}{\varrefitemi}
14581 \setbox0\hbox{\scriptsize \sf \varrefitemnamei}
14582 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14583 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemi}\hfill
14584 \fi
14585 \ifx\varrefitemii\@empty \else
14586 \settowidth{\sc@temp}{\varrefitemii}
14587 \setbox0\hbox{\scriptsize \sf \varrefitemnameii}
14588 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14589 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemii}\hfill
14590 \fi
14591 \ifx\varrefitemiii\@empty \else
14592 \settowidth{\sc@temp}{\varrefitemiii}
14593 \setbox0\hbox{\scriptsize \sf \varrefitemnameiii}
14594 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14595 \parbox[t]{\sc@@temp}{\noindent \box0\par \varrefitemiii}\hfill
14596 \fi
14597 \ifx\@date\@empty \else
14598 \settowidth{\sc@temp}{\@date}
14599 \setbox0\hbox{\scriptsize \sf \datename}
14600 \ifdim \sc@temp > \wd0 \sc@@temp\sc@temp \else \sc@@temp\wd0 \fi
14601 \parbox[t]{\sc@@temp}{\noindent \box0\par \@date}
14602 \fi
14603 \par
14604 \vspace{2.5\baselineskip}
14605 \else
14606 {\ifx\@date\@empty \else \if@RTL\raggedright\else\raggedleft\fi\fromplace\ \@date\par \fi}
14607 \vspace{1.5\baselineskip}
14608 \fi}
14609 \long\def\closing#1{\par\nobreak\vspace{0.5\baselineskip}
14610 \stopbreaks \noindent \sc@temp\textwidth \advance\sc@temp by
14611 -\sigindent \hspace{\sigindent}}%
14612 \parbox{\sc@temp}{\if@RTL\raggedleft\else\raggedright\fi\ignorespaces #1\mbox{}}\[\presig@ski
14613 \fromsig\strut}\par
14614 \vspace{1.5\baselineskip}}

```

7.100 scrreprt-xetex-bidi.def

```

14615 \ProvidesFile{scrreprt-xetex-bidi.def}[2012/01/01 v0.6 bidi adaptations for scrreprt class for Xe
14616 \newcommand{\scr@saved@LTRfootnotetext}{}
14617 \newcommand{\scr@saved@RTLfootnotetext}{}
14618 \let\scr@saved@footnotetext\@footnotetext
14619 \let\scr@saved@LTRfootnotetext\@LTRfootnotetext
14620 \let\scr@saved@RTLfootnotetext\@RTLfootnotetext
14621 \renewcommand{\@footnotetext}[1]{%
14622 \scr@saved@footnotetext{#1}%
14623 \csname FN@mfb@prepare\endcsname
14624 }

```



```

14625 \renewcommand{\@LTRfootnotetext}[1]{%
14626   \scr@saved@LTRfootnotetext{#1}%
14627   \csname FN@mfb@prepare\endcsname
14628 }
14629 \renewcommand{\@RTLfootnotetext}[1]{%
14630   \scr@saved@RTLfootnotetext{#1}%
14631   \csname FN@mfb@prepare\endcsname
14632 }
14633 \renewcommand\deffootnote[4][1]{%
14634   \long\def\@makefnmark##1{%
14635     \setlength{\@tempdimc}{#3}%
14636     \def\@tempa{#1}\ifx\@tempa\@empty
14637       \@setpar{\@par
14638         \@tempdima = \hsize
14639         \addtolength{\@tempdima}{-#2}%
14640         \ifRTL\parshape \@ne Opt \@tempdima\else\parshape \@ne #2 \@tempdima\fi}%
14641       \else
14642         \addtolength{\@tempdimc}{#2}%
14643         \addtolength{\@tempdimc}{-#1}%
14644         \@setpar{\@par
14645           \@tempdima = \hsize
14646           \addtolength{\@tempdima}{-#1}%
14647           \@tempdimb = \hsize
14648           \addtolength{\@tempdimb}{-#2}%
14649           \ifRTL\parshape \tw@ Opt \@tempdima Opt \@tempdimb\else\parshape \tw@ #1 \@tempdima #2 \@te
14650         }%
14651       \fi
14652     \par
14653     \parindent\@tempdimc\noindent
14654     \ftn@font\hbox to \z@{\hss\@makefnmark}##1%
14655   }%
14656   \def\@makefnmark{\hbox{\ftn@font{#4}}}%
14657 }
14658 \deffootnote[1em]{1.5em}{1em}{\textsuperscript{\thefootnotemark}}
14659 \renewcommand*\left@footnoterule{%
14660   \normalsize\ftn@rule@test@values
14661   \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14662   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14663   {\usekomafont{footnoterule}{%
14664     \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14665   \kern 2.6\p@}
14666 \renewcommand*\right@footnoterule{%
14667   \hbox to \columnwidth
14668   {\beginR \vbox{\kern -3\p@
14669     \normalsize\ftn@rule@test@values
14670     \kern-\dimexpr 2.6\p@+\ftn@rule@height\relax
14671     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14672     {\usekomafont{footnoterule}{%
14673       \hrule \@height\ftn@rule@height \@width\ftn@rule@width}}%
14674     \kern 2.6\p@}\hfil\endR}}

```



```

14675 \renewcommand*\maketitle[1][1]{%
14676   \if@titlepage
14677     \begin{titlepage}
14678       \setcounter{page}{%
14679         #1%
14680       }%
14681       \let\footnotesize\small
14682       \let\right@footnoterule\relax
14683       \let\left@footnoterule\relax
14684       \let\textwidth@footnoterule\relax
14685       \let\footnote\thanks
14686       \let\LTRfootnote\LTRthanks
14687       \let\RTLfootnote\RTLthanks
14688       \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14689       \let\@oldmakefnmark\@makefnmark
14690       \renewcommand*\@makefnmark{\rlap\@oldmakefnmark}%
14691       \ifx\@extratitle\@empty \else
14692         \noindent\@extratitle\next@tpage\cleardoubleemptypage
14693         \thispagestyle{empty}%
14694       \fi
14695       \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14696       \ifx\@titlehead\@empty \else
14697         \begin{minipage}[t]{\textwidth}%
14698           \@titlehead
14699         \end{minipage}\par
14700       \fi
14701       \null\vfill
14702       \begin{center}
14703         \ifx\@subject\@empty \else
14704           {\subject@font \@subject \par}%
14705           \vskip 3em
14706         \fi
14707         {\titlefont\huge \@title\par}%
14708         \vskip 1em
14709         {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14710         \vskip 2em
14711         {\Large \lineskip 0.75em
14712           \begin{tabular}[t]{c}
14713             \@author
14714           \end{tabular}\par
14715         }%
14716         \vskip 1.5em
14717         {\Large \@date \par}%
14718         \vskip \z@ \@plus3fill
14719         {\Large \@publishers \par}%
14720         \vskip 3em
14721       \end{center}\par
14722       \@thanks
14723       \vfill\null
14724       \if@twoside\next@tpage

```




```

14725     \begin{minipage}[t]{\textwidth}
14726     \@uppertitleback
14727     \end{minipage}\par
14728     \vfill
14729     \begin{minipage}[b]{\textwidth}
14730     \@lowertitleback
14731     \end{minipage}
14732   \fi
14733   \ifx\@dedication\@empty \else
14734     \next@tpage\@null\vfill
14735     {\centering \Large \@dedication \par}%
14736     \vskip \z@ \@plus3fill
14737     \if@twoside \next@tpage\cleardoubleemptypage \fi
14738   \fi
14739   \end{titlepage}
14740 \else
14741   \par
14742   \@tempcnta=
14743   #1%
14744   \relax\ifnum\@tempcnta=1\else
14745     \ClassWarning{\KOMAClassName}{%
14746       Optional argument of \string\maketitle\space ignored
14747       at\MessageBreak
14748       notitlepage-mode%
14749     }%
14750   \fi
14751   \begingroup
14752     \renewcommand*\thefootnote{\@fnsymbol\c@footnote}%
14753     \let\@oldmakefnmark\@makefnmark
14754     \renewcommand*{\@makefnmark}{\rlap\@oldmakefnmark}
14755     \if@twocolumn
14756       \ifnum \col@number=\@ne
14757         \@maketitle
14758       \else
14759         \twocolumn[\@maketitle]%
14760       \fi
14761     \else
14762       \newpage
14763       \global\@topnum\z@
14764       \@maketitle
14765     \fi
14766     \thispagestyle{\titlepagestyle}\@thanks
14767   \endgroup
14768 \fi
14769 \setcounter{footnote}{0}%
14770 \let\thanks\relax
14771 \let\LTRthanks\relax
14772 \let\RTLthanks\relax
14773 \let\maketitle\relax
14774 \let\@maketitle\relax

```



```

14775 \global\let\@thanks\@empty
14776 \global\let\@author\@empty
14777 \global\let\@date\@empty
14778 \global\let\@title\@empty
14779 \global\let\@subtitle\@empty
14780 \global\let\@extratitle\@empty
14781 \global\let\@titlehead\@empty
14782 \global\let\@subject\@empty
14783 \global\let\@publishers\@empty
14784 \global\let\@uppertitleback\@empty
14785 \global\let\@lowertitleback\@empty
14786 \global\let\@dedication\@empty
14787 \global\let\author\relax
14788 \global\let\title\relax
14789 \global\let\extratitle\relax
14790 \global\let\titlehead\relax
14791 \global\let\subject\relax
14792 \global\let\publishers\relax
14793 \global\let\uppertitleback\relax
14794 \global\let\lowertitleback\relax
14795 \global\let\dedication\relax
14796 \global\let\date\relax
14797 \global\let\and\relax
14798 }%
14799 \renewcommand*{\@maketitle}{%
14800 \clearpage
14801 \let\footnote\thanks
14802 \let\LTRfootnote\LTRthanks
14803 \let\RTLfootnote\RTLthanks
14804 \ifx\@extratitle\@empty \else
14805 \noindent\@extratitle \next@tpage \if@twoside \null\next@tpage \fi
14806 \fi
14807 \setparsizes{\z@}{\z@}{\z@\@plus 1fil}\par@updaterelative
14808 \ifx\@titlehead\@empty \else
14809 \begin{minipage}[t]{\textwidth}
14810 \@titlehead
14811 \end{minipage}\par
14812 \fi
14813 \null
14814 \vskip 2em%
14815 \begin{center}%
14816 \ifx\@subject\@empty \else
14817 {\subject@font \@subject \par}
14818 \vskip 1.5em
14819 \fi
14820 {\titlefont\huge \@title \par}%
14821 \vskip .5em
14822 {\ifx\@subtitle\@empty\else\usekomafont{subtitle}\@subtitle\par\fi}%
14823 \vskip 1em
14824 {\Large

```



```

14825 \lineskip .5em%
14826 \begin{tabular}[t]{c}
14827 \@author
14828 \end{tabular}\par
14829 }%
14830 \vskip 1em%
14831 {\Large \@date \par}%
14832 \vskip \z@ \@plus 1em
14833 {\Large \@publishers \par}
14834 \ifx\@dedication\@empty \else
14835 \vskip 2em
14836 {\Large \@dedication \par}
14837 \fi
14838 \end{center}%
14839 \par
14840 \vskip 2em
14841 }%
14842 \renewcommand*\l@part[2]{%
14843 \ifnum \c@tocdepth >-2\relax
14844 \addpenalty{-\@highpenalty}%
14845 \addvspace{2.25em \@plus\p@}%
14846 \setlength{\@tempdima}{2em}%
14847 \if@tocleft
14848 \ifx\toc@l@number\@empty\else
14849 \setlength{\@tempdima}{0\toc@l@number}%
14850 \fi
14851 \fi
14852 \begingroup
14853 \parindent \z@ \if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14854 \parfillskip -\@pnumwidth
14855 \leavevmode
14856 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima
14857 \hskip -\if@RTL\rightskip\else\leftskip\fi
14858 {\usekomafont{partentry}{#1\nobreak
14859 \usekomafont{partentrypagenumber}{\hfil\nobreak
14860 \hb@xt@\@pnumwidth{\hss#2}}}\par
14861 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14862 \endgroup
14863 \penalty20010
14864 \else
14865 \penalty\@highpenalty
14866 \endgroup
14867 \fi
14868 \fi
14869 }
14870 \renewcommand*\l@chapter[2]{%
14871 \ifnum \c@tocdepth >\m@ne
14872 \ifnum \lastpenalty<20010
14873 \addpenalty{-\@highpenalty}%
14874 \fi

```



```

14875 \vskip 1.0em \@plus\p@
14876 \setlength\@tempdima{1.5em}%
14877 \if@tocleft
14878 \ifx\toc@l@number\@empty\else
14879 \setlength\@tempdima{0\toc@l@number}%
14880 \fi
14881 \fi
14882 \begingroup
14883 \raggedchapterentry
14884 \parindent \z@ \advance\if@RTL\leftskip\else\rightskip\fi \@pnumwidth
14885 \parfillskip -\@pnumwidth
14886 \interlinepenalty\@M
14887 \leavevmode
14888 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
14889 {\usekomafont{chapterentry}{#1\nobreak
14890 \usekomafont{chapterentrypagenumber}{%
14891 \hfill\nobreak
14892 \hbxt@{\@pnumwidth{\hss#2}}}\par
14893 \ifnum \scr@compatibility>\@nameuse{scr@v@2.96}\relax
14894 \endgroup
14895 \penalty20009
14896 \else
14897 \penalty\@highpenalty
14898 \endgroup
14899 \fi
14900 \fi
14901 }
14902 \def\raggedsection{\if@RTL\raggedleft\else\raggedright\fi}
14903 \renewcommand*\autodot{\if@altsecnumformat\@SepMark\fi}
14904 \renewcommand*\thesection{%
14905 \thechapter\@SepMark%
14906 \@arabic\c@section
14907 }
14908 \renewcommand*{\thesubsection}{\thesection\@SepMark\@arabic\c@subsection}
14909 \renewcommand*{\thesubsubsection}{%
14910 \thesubsection\@SepMark\@arabic\c@subsubsection
14911 }
14912 \renewcommand*{\theparagraph}{\thesubsubsection\@SepMark\@arabic\c@paragraph}
14913 \renewcommand*{\thesubparagraph}{%
14914 \theparagraph\@SepMark\@arabic\c@subparagraph
14915 }
14916 \renewcommand*\thefigure{%
14917 \thechapter\@SepMark%
14918 \@arabic\c@figure
14919 }
14920 \renewcommand*\thetable{%
14921 \thechapter\@SepMark%
14922 \@arabic\c@table
14923 }
14924 \renewcommand*\theequation{%

```



```

14925 \thechapter\@SepMark%
14926 \@arabic\c@equation
14927 }
14928 \renewenvironment{thebibliography}[1]{%
14929 \if@bib@break@
14930 \bib@beginhook
14931 \else
14932 \ifx\bibpreamble\relax\else\ifx\bibpreamble\@empty\else
14933 \setchapterpreamble{\bibpreamble}%
14934 \fi\fi
14935 \bib@heading
14936 \bib@beginhook
14937 \bib@before@hook
14938 \fi
14939 \renewcommand{\BreakBibliography}[1]{%
14940 \@bib@break
14941 \end{thebibliography}%
14942 \begingroup ##1\endgroup
14943 \begin{thebibliography}{#1}
14944 }%
14945 \ifRTL\ifLTRbibitems\@RTLfalse\else\fi\else\ifRTLbibitems\@RTLtrue\else\fi\fi
14946 \list{%
14947 \@biblabel{\@arabic\c@enumiv}%
14948 }{%
14949 \settowidth\labelwidth{\@biblabel{#1}}%
14950 \leftmargin\labelwidth
14951 \advance\leftmargin\labelsep
14952 \@openbib@code
14953 \if@bib@break@
14954 \edef\@tempa{%
14955 \noexpand\usecounter{enumiv}%
14956 \noexpand\setcounter{enumiv}{\the\c@enumiv}%
14957 }\@tempa
14958 \no@bib@break
14959 \else
14960 \usecounter{enumiv}%
14961 \fi
14962 \let\p@enumiv\@empty
14963 \renewcommand*\theenumiv{\@arabic\c@enumiv}%
14964 }%
14965 \sloppy\clubpenalty4000 \widowpenalty4000
14966 \sfcode`\.=\@m
14967 }{%
14968 \if@bib@break@
14969 \def\@noitemerr{%
14970 \@latex@warning{%
14971 \string\BreakBibliography\space at begin of `thebibliography'
14972 environment\MessageBreak
14973 or following \string\BreakBibliography}%
14974 }%

```



```

14975 \else
14976   \def\@noitemerr{%
14977     \@latex@warning{%
14978       Empty `thebibliography' environment or
14979       \string\BreakBibliography\MessageBreak
14980       before end of `thebibliography' environment}%
14981   }%
14982 \fi
14983 \endlist
14984 \if@bib@break@
14985 \else
14986   \bib@after@hook
14987   \let\bib@before@hook\@empty
14988   \let\bib@after@hook\@empty
14989 \fi
14990 \bib@endhook
14991 }
14992 \renewcommand*\left@footnoterule{%
14993   \kern-3\p@
14994   \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
14995   \hrule\@width.4\columnwidth
14996   \kern 2.6\p@}
14997 \renewcommand*\right@footnoterule{%
14998   \hbox to \columnwidth
14999   {\beginR \vbox{%
15000     \kern-3\p@
15001     \ifx\@textbottom\relax\else\vskip \z@ \@plus.05fil\fi
15002     \hrule\@width.4\columnwidth
15003     \kern 2.6\p@}\hfil\endR}}
15004 \renewcommand*\raggeddictum{\if@RTL\raggedright\else\raggedleft\fi}
15005 \renewcommand*\raggeddictumtext{\if@RTL\raggedleft\else\raggedright\fi}
15006 \renewcommand*\raggeddictumauthor{\if@RTL\raggedright\else\raggedleft\fi}
15007 \renewcommand\marginline[1]{%
15008   \marginpar[\if@RTL\raggedright\else\raggedleft\fi{#1}]{\if@RTL\raggedleft\else\raggedright\fi{#1}}}
15009 }
15010 \renewcommand{\@makecaption}[3]{%
15011   \cap@margin
15012   \ifonelinecaptions
15013     \@tempcnta=\value{mpfootnote}\@tempcntb=\value{footnote}%
15014     \let\scr@tmp@footnotetext=\@footnotetext
15015     \let\@footnotetext=\@gobble
15016     \let\scr@tmp@LTRfootnotetext=\@LTRfootnotetext
15017     \let\@LTRfootnotetext=\@gobble
15018     \let\scr@tmp@RTLfootnotetext=\@RTLfootnotetext
15019     \let\@RTLfootnotetext=\@gobble
15020     \sbox\@tempboxa{%
15021       {\capfont{\strut\ignorespaces
15022         #1{\caplabelfont{#2\captionformat}}}%
15023       #3\unskip\strut}}%
15024   }%

```



```

15025 \let\@footnotetext=\scr@tmp@footnotetext
15026 \let\scr@tmp@footnotetext=\undefined
15027 \let\@LTRfootnotetext=\scr@tmp@LTRfootnotetext
15028 \let\scr@tmp@LTRfootnotetext=\undefined
15029 \let\@RTLfootnotetext=\scr@tmp@RTLfootnotetext
15030 \let\scr@tmp@RTLfootnotetext=\undefined
15031 \setcounter{footnote}{\@tempcntb}%
15032 \setcounter{mpfootnote}{\@tempcnta}%
15033 \else
15034 \sbox\@tempboxa{\hspace*{2\cap@width}}%
15035 \fi
15036 \begingroup%
15037 \setlength{\@tempdima}{\cap@width}%
15038 \ifdim \wd\@tempboxa >\@tempdima
15039 \hb@xt@\hsize{%
15040 \setbox\@tempboxa\vbox{\hsize=\cap@width
15041 \ifdoofullc@p
15042 {\capfont{\@hangfrom{\scr@smashdp{\strut\ignorespaces
15043 #1{\caplabelfont{#2\captionformat}}}}}%
15044 {#3\unskip\strut\par}}}%
15045 \else%
15046 \ifdim\cap@indent<\z@
15047 {\capfont{\strut\ignorespaces
15048 #1{\caplabelfont{#2\captionformat\par}}}%
15049 \noindent\hspace*{-\cap@indent}#3\unskip\strut\par}}%
15050 \else%
15051 \if@capbreak
15052 {\capfont{\strut\ignorespaces
15053 #1{\caplabelfont{#2\captionformat\par}}}%
15054 \noindent\@hangfrom{\hspace*{\cap@indent}}{#3\par}}}%
15055 \else
15056 {\capfont{\@hangfrom{\scr@smashdp\strut\hspace*{\cap@indent}}}%
15057 {\hspace{-\cap@indent}\scr@smashdp{\ignorespaces#1%
15058 {\caplabelfont{#2\captionformat}}}}#3\unskip\strut\par}}}%
15059 \fi
15060 \fi
15061 \fi
15062 }%
15063 \setlength{\@tempdima}{\ht\@tempboxa}%
15064 \addtolength{\@tempdima}{\dp\@tempboxa}%
15065 \addtolength{\@tempdima}{-\ht\strutbox}%
15066 \ht\@tempboxa\ht\strutbox
15067 \dp\@tempboxa\@tempdima
15068 \strut\cap@left
15069 \box\@tempboxa
15070 \cap@right\strut
15071 }%
15072 \else
15073 \global \@minipagefalse
15074 \sbox\@tempboxa{%

```



```

15075         {\capfont{\scr@smashdp{\strut\ignorespaces
15076         #1{\caplabelfont{#2\captionformat}}}}}%
15077         #3}}}%
15078     }%
15079     {\capfont{\hb@xt@{\hsize{\strut\cap@left\if@RTL\beginR\fi\box\@tempboxa\if@RTL\endR\fi\cap
15080     \fi
15081     \endgroup
15082 }
15083 \renewcommand{\@makecaption}[2]{%
15084     \if@captionabove
15085         \vskip\belowcaptionskip
15086     \else
15087         \vskip\abovecaptionskip
15088     \fi
15089     \@makecaption\@firstofone{#1}{#2}%
15090     \if@captionabove
15091         \vskip\abovecaptionskip
15092     \else
15093         \vskip\belowcaptionskip
15094     \fi
15095 }

```

7.101 sidecap-xetex-bidi.def

```

15096 \ProvidesFile{sidecap-xetex-bidi.def}[2010/08/01 v0.1 bidi adaptations for sidecap package for Xe
15097 \renewcommand*{\SC@FLOAT}[2]{\if@RTL%
15098     \isSC@ODD{#1}\hspace{\sidecaptionsep}{#2}} {\#2}\hspace{\sidecaptionsep}{#1}}\else%
15099 \isSC@ODD{#2}\hspace{\sidecaptionsep}{#1}} {\#1}\hspace{\sidecaptionsep}{#2}}\fi}
15100 \renewcommand*{\SC@justify@caption}{\if@RTL%
15101 \isSC@ODD{\RaggedLeft}{\RaggedRight}}\else%
15102     \isSC@ODD{\RaggedRight}{\RaggedLeft}}\fi}

```

7.102 stabular-xetex-bidi.def

```

15103 \ProvidesFile{stabular-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for stabular package for Xe
15104 \def\@stabular{\if@RTL\@RTLtabtrue\fi
15105     \leavevmode \bgroup \if@RTLtab\beginR \fi
15106     \let\@acol\@tabacol
15107     \let\@classz\@tabclassz
15108     \let\@classiv\@tabclassiv \let\\ \@tabularcr \@stabarray}
15109 \def\endstabular{\crrc\egroup\if@RTLtab\egroup\endR\egroup\fi
15110     \egroup \if@RTLtab\endR\fi\egroup
15111     \@RTLtabfalse}
15112 \expandafter \let \csname endstabular*\endcsname = \endstabular
15113 \def\@sarray[#1]#2{%
15114     \bgroup
15115     \setbox\@arstrutbox\hbox{%
15116         \vrule \@height\arraystretch\ht\strutbox
15117         \@depth\arraystretch \dp\strutbox
15118         \@width\z@}%
15119     \mkpream{#2}%

```




```

15120 \edef\@preamble{%
15121     \ialign \noexpand\@halignto
15122         \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
15123 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
15124 \let\@tabularnewline\%
15125     \let\@sharp##%
15126     \set@typeset@protect
15127     \lineskip\z@skip\baselineskip\z@skip
15128 \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
15129     \@preamble}

```

7.103 subfigure-xetex-bidi.def

```

15130 \ProvidesFile{subfigure-xetex-bidi.def}[2010/03/01 v0.1 bidi adaptations for subfigure package f
15131 \AtBeginDocument{%
15132 \let\p@subfigure=\thefigure
15133 \let\p@subtable=\thetable%
15134 }

```

7.104 tabs-xetex-bidi.def

```

15135 \ProvidesFile{tabs-xetex-bidi.def}[2010/08/01 v0.2 bidi adaptations for tabs package for XeTeX
15136 \def\endtabular{\endarray $\if@RTLtab\endR\fi\egroup
15137     \@RTLtabfalse}
15138
15139 \expandafter\let\csname endtabular*\endcsname=\endtabular
15140
15141 \def\endarray{\ifvmode\csname crcr\endcsname % just do \crr if \ given
15142     \else \[\z@ \global\advance\@arstdepth-\@otarlinesep]%
15143     \fi\egroup\if@RTLtab\egroup\endR\egroup\fi\@unrecurse\egroup}
15144
15145 \def\@array[#1]#2{% remember global variables to allow recursion:
15146     \edef\@unrecurse{\global\@skip@bove\the\@skip@bove
15147         \global\@arstheight\the\@arstheight\global\@arstdepth\the\@arstdepth}%
15148     \let\@otarlinesep\@tarlinesep \global\@skip@bove-\@otarlinesep
15149     \ifx\@classz\@arrayclassz \let\@tarlinesep\arraylinesep
15150     \else \let\@tarlinesep\tablinesep \fi
15151     \divide\@tarlinesep\tw@ % half sep is applied to height & depth
15152     \let\@seesize\relax \let\@rememsize\relax \@mkpream{#2}%
15153     \@tempdima\arraystretch\ht\strutbox \@tempdimb\arraystretch\dp\strutbox
15154     \ifdim\@tarlinesep>\z@ % (need \protect for \multicolumn)
15155         \def\@rememsize{\protect\@r@m@msize}\let\@seesize\@s@size
15156         \advance\@tempdima-\@tarlinesep \advance\@tempdimb-\@tarlinesep
15157     \fi \setbox\@arstrutbox\hbox{% set up smaller strut
15158         \vrule \@height\@tempdima \@depth\@tempdimb \@width\z@}%
15159     \let\protect\noexpand
15160     \edef\@preamble{\ialign \noexpand\@halignto \bgroup
15161         \unhcopy\@arstrutbox \@preamble \tabskip\z@skip &\@sharp \cr}%
15162     \let\@startpbox\@startpbox \let\@endpbox\@endpbox
15163     \if#1t\top \else \if#1b\bottom \else \vcenter \fi\fi
15164     \bgroup \let\par\@empty

```



```

15165 \global\@arstheight\ht\@arstrutbox \global\@arstdepth\dp\@arstrutbox
15166 \advance\extrarulesep.5\arrayrulewidth
15167 \let\@sharp##\let\protect\relax \lineskip\z@skip \baselineskip\z@skip
15168 \ifRTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
15169 \@preamble}

```

7.105 tabularx-xetex-bidi.def

```

15170 \ProvidesFile{tabularx-xetex-bidi.def}[2014/11/08 v0.1 bidi adaptations for tabularx package for
15171 \def\TX@endtabularx{%
15172   \expandafter\expandafter\expandafter
15173     \TX@find@endtabularxa\csname end\TX@\endcsname
15174     \endtabularx\TX@\endtabularx\TX@find@endtabularxa
15175   \expandafter\TX@newcol\expandafter{\tabularxcolumn{\TX@col@width}}}%
15176   \let\verb\TX@verb
15177   \def\@elt##1{\global\value{##1}\the\value{##1}\relax}%
15178   \edef\TX@ckpt{\cl@ckpt}%
15179   \let\@elt\relax
15180   \TX@old@table\maxdimen
15181   \TX@col@width\TX@target
15182   \global\TX@cols\@ne
15183   \TX@typeout@
15184     {\@spaces Table Width\@spaces Column Width\@spaces X Columns}%
15185   \TX@trial{\def\NC@rewrite@X{%
15186     \global\advance\TX@cols\@ne\NC@find p{\TX@col@width}}}%
15187   \loop
15188     \TX@arith
15189     \ifTX@
15190     \TX@trial{}%
15191   \repeat
15192   {\let\@footnotetext\TX@ftntext\let\@xfootnotenext\TX@xftntext
15193   \let\@LTRfootnotetext\TX@LTRftntext\let\@xLTRfootnotenext\TX@xLTRftntext
15194   \let\@RTLfootnotetext\TX@RTLftntext\let\@xRTLfootnotenext\TX@xRTLftntext
15195     \csname tabular*\expandafter\endcsname\expandafter\TX@target
15196     \the\toks@
15197     \csname endtabular*\endcsname}%
15198   \global\TX@ftn\expandafter{\expandafter}\the\TX@ftn
15199   \ifnum0=`{\fi}%
15200   \expandafter\expandafter\expandafter
15201     \TX@find@endtabularxbb
15202     \expandafter\end\expandafter{\TX@}%
15203   \endtabularx\TX@\endtabularx\TX@find@endtabularxb
15204 }
15205
15206 \def\TX@trial#1{%
15207   \setbox\@tempboxa\hbox{%
15208     #1\relax
15209   \let\@footnotetext\TX@trial@ftn
15210   \let\@LTRfootnotetext\TX@trial@ftn
15211   \let\@RTLfootnotetext\TX@trial@ftn

```



```

15212 \let\TX@vwarn\@empty
15213 \expandafter\let\expandafter\tabularx\csname tabular*\endcsname
15214 \expandafter\let\expandafter\endtabularx\csname endtabular*\endcsname
15215 \def\writef\begin{group
15216   \def\let\afterassignment\endgroup\toks@}%
15217   \afterassignment\let\count@}%
15218   \hbadness\@M
15219   \hfuzz\maxdimen
15220   \let\hbadness\@tempcnta
15221   \let\hfuzz\@tempdima
15222   \expandafter\tabular\the\toks@
15223   \endtabular}%
15224 \TX@ckpt
15225 \TX@typeout@{\@spaces
15226   \expandafter\TX@align
15227     \the\wd\@tempboxa\space\space\space\space\space\@@
15228   \expandafter\TX@align
15229     \the\TX@col@width\space\space\space\space\space\@@
15230   \@spaces\the\TX@cols}}
15231
15232 \long\def\TX@LTRftntext#1{%
15233   \edef\@tempa{\the\TX@ftn\noexpand\LTRfootnotetext
15234     [\the\csname c@\@mpfn\endcsname]]}%
15235   \global\TX@ftn\expandafter{\@tempa{#1}}}%
15236 \long\def\TX@xLTRftntext[#1]#2{%
15237   \global\TX@ftn\expandafter{\the\TX@ftn\LTRfootnotetext[#1]{#2}}}
15238
15239 \long\def\TX@RTLftntext#1{%
15240   \edef\@tempa{\the\TX@ftn\noexpand\RTLfootnotetext
15241     [\the\csname c@\@mpfn\endcsname]]}%
15242   \global\TX@ftn\expandafter{\@tempa{#1}}}%
15243 \long\def\TX@xRTLftntext[#1]#2{%
15244   \global\TX@ftn\expandafter{\the\TX@ftn\RTLfootnotetext[#1]{#2}}}

```

7.106 tabulary-xetex-bidi.def

```

15245 \ProvidesFile{tabulary-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tabulary package for
15246 \def\@testpach{\@chclass
15247   \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
15248   \ifnum \@lastchclass=7 5 \else
15249   \ifnum \@lastchclass=8 \tw@ \else
15250   \ifnum \@lastchclass=9 \thr@@
15251   \else \z@
15252   \ifnum \@lastchclass = 10 \else
15253   \edef\@nextchar{\expandafter\string\@nextchar}%
15254   \@chnum
15255   \if \@nextchar c\z@ \else
15256   \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
15257   \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
15258   \if \@nextchar C7 \else

```



```

15259 \if \@nextchar L8 \else
15260 \if \@nextchar R9 \else
15261 \if \@nextchar J10 \else
15262 \z@ \@chclass
15263 \if \@nextchar |\@ne \else
15264 \if \@nextchar !6 \else
15265 \if \@nextchar @7 \else
15266 \if \@nextchar <8 \else
15267 \if \@nextchar >9 \else
15268 10
15269 \@chnum
15270 \if \@nextchar m\thr@@\else
15271 \if \@nextchar p4 \else
15272 \if \@nextchar b5 \else
15273 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
15274 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi

```

7.107 tc-xetex-bidi.def

```

15275 \ProvidesFile{tc-xetex-bidi.def}[2014/07/08 v0.1 bidi adaptations for Clipping driver for XeTeX en
15276 \def\@cliptoboxdim#1{%
15277 \setbox#1=\hbox{%
15278 \Gin@defaultbp\WIDTH{\wd#1}%
15279 \Gin@defaultbp\DEPTH{\dp#1}%
15280 \@tempdima\ht#1%
15281 \advance\@tempdima\dp#1%
15282 \Gin@defaultbp\TOTALHEIGHT{\@tempdima}%
15283 \beginL\special{pdf:bcontent }%
15284 \special{%
15285 pdf:literal direct
15286 0 -\DEPTH\space \WIDTH\space \TOTALHEIGHT\space re
15287 }%
15288 \special{pdf:literal direct W }%
15289 \special{pdf:literal direct n }%
15290 \if@RTL\beginR\fi\box#1\if@RTL\endR\fi%
15291 \special{pdf:econtent }\endL%
15292 }%
15293 }

```

7.108 tikz-xetex-bidi.def

```

15294 \ProvidesFile{tikz-xetex-bidi.def}[2014/11/20 v0.1 bidi adaptations for tikz package for XeTeX en
15295 \def\bidi@tikzpicture{%
15296 \begingroup%
15297 \tikz@startup@env%
15298 \pgfutil@ifnextchar[\bidi@tikz@picture{\bidi@tikz@picture[]}]%
15299 \def\bidi@tikz@picture[#1]{%
15300 \bidi@pgfpicture%
15301 \let\tikz@atbegin@picture=\pgfutil@empty%
15302 \let\tikz@atend@picture=\pgfutil@empty%
15303 \let\tikz@transform=\relax%

```



```

15304 \def\tikz@time{.5}%
15305 \tikz@installcommands%
15306 \scope[every picture,#1]%
15307 \iftikz@handle@active@code%
15308 \tikz@switchoff@shorthands%
15309 \fi%
15310 \expandafter\tikz@atbegin@picture%
15311 \tikz@lib@scope@check%
15312 }
15313 \def\endbidi@tikzpicture{%
15314 \tikz@atend@picture%
15315 \global\let\pgf@shift@baseline@smuggle=\pgf@baseline%
15316 \global\let\pgf@trimleft@final@smuggle=\pgf@trimleft%
15317 \global\let\pgf@trimright@final@smuggle=\pgf@trimright%
15318 \global\let\pgf@remember@smuggle=\ifpgfrememberpicturepositiononpage%
15319 \pgf@remember@layerlist@globally
15320 \endscope%
15321 \let\pgf@baseline=\pgf@shift@baseline@smuggle%
15322 \let\pgf@trimleft=\pgf@trimleft@final@smuggle%
15323 \let\pgf@trimright=\pgf@trimright@final@smuggle%
15324 \let\ifpgfrememberpicturepositiononpage=\pgf@remember@smuggle%
15325 \pgf@restore@layerlist@from@global
15326 \endbidi@pgfpicture@endgroup}

```

7.109 titlesec-xetex-bidi.def

```

15327 \ProvidesFile{titlesec-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for titlesec package for
15328 \renewcommand\filright{%
15329 \gdef\ttl@filleft##1{\hskip##1}%
15330 \gdef\ttl@filright##1{\hfill}%
15331 \let\\\@centercr
15332 \advance\rightskip\z@ \@plus 1fil
15333 \parfillskip\z@}
15334 \def\ttlh@hang#1#2#3#4#5#6#7#8{%
15335 \gdef\ttl@makeline##1{\ttl@calc\hspace{#6}##1\ttl@calc\hspace{#7}}%
15336 \setlength\leftskip{#6}%
15337 \setlength\rightskip{#7}%
15338 \interlinepenalty\@M
15339 \ttl@change@centercr
15340 \ttl@begin@longest
15341 #1{\ifhmode\ttl@hmode@error\fi
15342 \ttl@glcmds
15343 \parindent\z@
15344 \leavevmode
15345 \begin@group
15346 \ifttl@label
15347 \sbox\z@{#2\strut\ttl@calc\hspace{#3}}%
15348 \if@RTL\advance\rightskip\wd\z@\else\advance\leftskip\wd\z@\fi
15349 \llap{\box\z@}%
15350 \fi

```



```

15351      #4{#8}%
15352      \kern\z@\strut\@@par
15353      \endgroup
15354      \nobreak\ttl@midlongest#5\@@par}%
15355      \ttl@endlongest}

```

7.110 titletoc-xetex-bidi.def

```

15356 \ProvidesFile{titletoc-xetex-bidi.def}[2013/04/10 v0.2 bidi adaptations for titletoc package for
15357 \renewcommand\filright{%
15358   \gdef\ttl@filleft##1{\hskip##1}%
15359   \gdef\ttl@filright##1{\hfill}%
15360   \let\\\@centercr
15361   \advance\rightskip\z@ \@plus 1fil
15362   \parfillskip\z@}
15363 \renewcommand\contentspush[1]{%
15364   \sbox\z@{#1}%
15365   \xdef\ttl@b{\advance\if@RTL\rightskip\else\leftskip\fi\the\wd\z@}%
15366   \aftergroup\ttl@b
15367   \leavevmode\llap{\box\z@}}
15368 \def\ttl@outnoblock#1#2#3{%
15369   \begingroup
15370   \ifnum\ttl@b>\ttl@a
15371     \nobreak
15372   \else\ifnum\ttl@b<\ttl@a
15373     \addpenalty{\@secpenalty}%
15374   \else
15375     \addpenalty{\z@}%
15376   \fi\fi
15377   \ttl@contentsstretch
15378   \nobreak
15379   \ifcase#1\relax\else\interlinepenalty\M\fi
15380   \parindent\z@
15381   \ifx\@nil#2%
15382     \PackageError{titletoc}{Unimplemented}%
15383     {The optional argument is currently mandatory}%
15384   \else
15385     \if@RTL\setlength\rightskip{#2}\else
15386     \setlength\leftskip{#2}\fi%
15387   \fi
15388   \if@RTL\setlength\leftskip{\@pnumwidth}\else\setlength\rightskip{\@pnumwidth}\fi%
15389   \let\contentsmargin\ttl@margin
15390   \def\ttl@makeline##1{##1}%
15391   #3%
15392   \addtolength{\parfillskip}{-\ttl@corr}%
15393   \if@RTL\addtolength{\leftskip}{\ttl@corr}\else\addtolength{\rightskip}{\ttl@corr}\fi%
15394   \let\ttl@leaders\leaders}
15395 \renewcommand\ttl@margin[2][\z@]{%
15396   \def\ttl@corr{#1}%
15397   \advance\if@RTL\leftskip\else\rightskip\fi-\@pnumwidth\relax

```



```

15398 \advance\if@RTL\leftskip\else\rightskip\fi#2\relax
15399 \def\@pnumwidth{#2}}
15400 \let\ttl@savel@part\l@part
15401 \def\l@part{\ttl@lselect{part}}
15402
15403 \let\ttl@savel@chapter\l@chapter
15404 \def\l@chapter{\ttl@lselect{chapter}}

```

7.111 tocibind-xetex-bidi.def

```

15405 \ProvidesFile{tocibind-xetex-bidi.def}[2012/12/12 v0.3 bidi adaptations for tocibind package f
15406 \if@dotocbib
15407 \@ifpackageloaded{natbib}{}{% natbib not loaded
15408 \renewcommand{\bibsection}{\tcb@bchapsec}
15409 \renewenvironment{thebibliography}[1]{%
15410 \bibsection
15411 \begin{thebibitemlist}{#1}}{\end{thebibitemlist}}}
15412 \renewenvironment{thebibitemlist}[1]{
15413 \if@RTL\if@LTRbibitems\@RTLfalse\else\fi\else\if@RTLbibitems\@RTLtrue\else\fi\fi
15414 \list{\@biblabel{\@arabic{c@enumiv}}}%
15415 {\settowidth\labelwidth{\@biblabel{#1}}%
15416 \leftmargin\labelwidth
15417 \advance\leftmargin\labelsep
15418 \openbib@code
15419 \usecounter{enumiv}%
15420 \let\p@enumiv\@empty
15421 \renewcommand\theenumiv{\@arabic{c@enumiv}}}%
15422 \sloppy
15423 \clubpenalty4000
15424 \@clubpenalty \clubpenalty
15425 \widowpenalty4000%
15426 \sfcode`\.\@m}
15427 {\def\@noitemerr
15428 {\@latex@warning{Empty `thebibliography' environment}}}%
15429 \endlist}
15430
15431 \@ifpackagewith{chapterbib}{sectionbib}%
15432 {\renewcommand{\sectionbib}[2]{}}%
15433 {}
15434
15435 \fi
15436 \if@inltxdoc\else
15437 \renewenvironment{theindex}%
15438 {\if@twocolumn
15439 \restonecolfalse
15440 \else
15441 \restonecoltrue
15442 \fi
15443 \if@bibchapter
15444 \if@donumindex

```



```

15445         \refstepcounter{chapter}
15446         \twocolumn[\vspace*{2\topskip}%
15447             \@makechapterhead{\indexname}}%
15448     \addcontentsline{toc}{chapter}{\protect\numberline{\thechapter}\indexname}
15449     \chaptermark{\indexname}
15450     \else
15451         \if@dotocind
15452             \twocolumn[\vspace*{2\topskip}%
15453                 \@makeschapterhead{\indexname}}%
15454             \prw@mkboth{\indexname}
15455             \addcontentsline{toc}{chapter}{\indexname}
15456         \else
15457             \twocolumn[\vspace*{2\topskip}%
15458                 \@makeschapterhead{\indexname}}%
15459             \prw@mkboth{\indexname}
15460         \fi
15461     \fi
15462 \else
15463     \if@donumindex
15464         \twocolumn[\vspace*{-1.5\topskip}%
15465             \@nameuse{\tocextra}{\indexname}}%
15466         \csname \tocextra mark\endcsname{\indexname}
15467     \else
15468         \if@dotocind
15469             \twocolumn[\vspace*{-1.5\topskip}%
15470                 \toc@headstar{\tocextra}{\indexname}}%
15471             \prw@mkboth{\indexname}
15472             \addcontentsline{toc}{\tocextra}{\indexname}
15473         \else
15474             \twocolumn[\vspace*{-1.5\topskip}%
15475                 \toc@headstar{\tocextra}{\indexname}}%
15476             \prw@mkboth{\indexname}
15477         \fi
15478     \fi
15479     \fi
15480     \thispagestyle{plain}\parindent\z@
15481     \parskip\z@ \@plus .3\p@\relax
15482     \let\item\@idxitem}
15483     {\if@restonecol\onecolumn\else\clearpage\fi}
15484 \fi

```

7.112 tocloft-xetex-bidi.def

```

15485 \ProvidesFile{tocloft-xetex-bidi.def}[2010/07/25 v0.2 bidi adaptations for tocloft package for Xe
15486 \let\cftdot\@SepMark
15487 \if@cfthaspart
15488 \renewcommand*{\l@part}[2]{
15489     \@cftdopartfalse
15490     \ifnum \c@tocdepth >-2\relax
15491         \if@cfthaschapter

```




```

15492     \@cftdoparttrue
15493   \fi
15494   \ifnum \c@tocdepth >\m@ne
15495     \if@cfthaschapter\else
15496       \@cftdoparttrue
15497     \fi
15498   \fi
15499 \fi
15500 \if@cftdopart
15501   \if@cfthaschapter
15502     \addpenalty{-\@highpenalty}
15503   \else
15504     \addpenalty\@secpenalty
15505   \fi
15506   \addvspace{\cftbeforepartskip}
15507   \begingroup
15508     {\if@RTL\righskip\else\leftskip\fi \cftpartindent\relax
15509     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
15510     \parfillskip -\if@RTL\leftskip\else\righskip\fi
15511     \parindent \cftpartindent\relax\@afterindenttrue
15512     \interlinepenalty\@M
15513     \leavevmode
15514     \@tempdima \cftpartnumwidth\relax
15515     \let\@cftbsnum \cftpartpresnum
15516     \let\@cftasnum \cftpartaftersnum
15517     \let\@cftasnumb \cftpartaftersnumb
15518     \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
15519     {\cftpartfont \cftpartpresnum #1}
15520     \cftpartfillnum{#2}}
15521   \nobreak
15522   \if@cfthaschapter
15523     \global\@nobreaktrue
15524     \everypar{\global\@nobreakfalse\everypar{}}
15525   \else
15526     \if@compatibility
15527       \global\@nobreaktrue
15528       \everypar{\global\@nobreakfalse\everypar{}}
15529     \fi
15530   \fi
15531 \endgroup
15532 \fi}
15533 \fi
15534 \if@cfthaschapter
15535 \renewcommand*{\l@chapter}[2]{
15536   \ifnum \c@tocdepth >\m@ne
15537     \addpenalty{-\@highpenalty}
15538     \vskip \cftbeforechapskip
15539     {\if@RTL\righskip\else\leftskip\fi \cftchapindent\relax
15540     \if@RTL\leftskip\else\righskip\fi \@tocrmarg
15541     \parfillskip -\if@RTL\leftskip\else\righskip\fi

```



```

15542 \parindent \cftchapindent\relax\@afterindenttrue
15543 \interlinepenalty\@M
15544 \leavevmode
15545 \@tempdima \cftchapnumwidth\relax
15546 \let\@cftbsnum \cftchappresnum
15547 \let\@cftasnum \cftchapaftersnum
15548 \let\@cftasnumb \cftchapaftersnumb
15549 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
15550 {\cftchapfont #1}\nobreak
15551 \cftchapfillnum{#2}}
15552 \fi}
15553 \fi
15554 \renewcommand*{\l@section}[2]{%
15555 \ifnum \c@tocdepth >\z@
15556 \if@cfthaschapter
15557 \vskip \cftbeforesecskip
15558 \else
15559 \addpenalty\@secpenalty
15560 \addvspace{\cftbeforesecskip}
15561 \fi
15562 {\if@RTL\rightskip\else\leftskip\fi \cftsecindent\relax
15563 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15564 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15565 \parindent \cftsecindent\relax\@afterindenttrue
15566 \interlinepenalty\@M
15567 \leavevmode
15568 \@tempdima \cftsecnumwidth\relax
15569 \let\@cftbsnum \cftsecpresnum
15570 \let\@cftasnum \cftsecaftersnum
15571 \let\@cftasnumb \cftsecaftersnumb
15572 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
15573 {\cftsecfont #1}\nobreak
15574 \cftsecfillnum{#2}}
15575 \fi}
15576 \renewcommand*{\l@subsection}[2]{%
15577 \ifnum \c@tocdepth >\@ne
15578 \vskip \cftbeforesubsecskip
15579 {\if@RTL\rightskip\else\leftskip\fi \cftsubsecindent\relax
15580 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15581 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15582 \parindent \cftsubsecindent\relax\@afterindenttrue
15583 \interlinepenalty\@M
15584 \leavevmode
15585 \@tempdima \cftsubsecnumwidth\relax
15586 \let\@cftbsnum \cftsubsecpresnum
15587 \let\@cftasnum \cftsubsecaftersnum
15588 \let\@cftasnumb \cftsubsecaftersnumb
15589 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
15590 {\cftsubsecfont #1}\nobreak
15591 \cftsubsecfillnum{#2}}

```



```

15592 \fi}
15593 \renewcommand*{\l@subsubsection}[2]{%
15594 \ifnum \c@tocdepth >\tw@
15595 \vskip \cftbeforesubsubsecskip
15596 {\if@RTL\rightright\else\leftskip\fi \cftsubsubsecindent\relax
15597 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
15598 \parfillskip -\if@RTL\leftskip\else\rightright\fi
15599 \parindent \cftsubsubsecindent\relax\@afterindenttrue
15600 \interlinepenalty\@M
15601 \leavevmode
15602 \@tempdima \cftsubsubsecnumwidth\relax
15603 \let\@cftbsnum \cftsubsubsecpresnum
15604 \let\@cftasnum \cftsubsubsecaftersnum
15605 \let\@cftasnumb \cftsubsubsecaftersnumb
15606 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright\fi
15607 {\cftsubsubsecfont #1}\nobreak
15608 \cftsubsubsecfillnum{#2}}
15609 \fi}
15610 \renewcommand*{\l@paragraph}[2]{%
15611 \ifnum \c@tocdepth >3\relax
15612 \vskip \cftbeforeparaskip
15613 {\if@RTL\rightright\else\leftskip\fi \cftparaindent\relax
15614 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
15615 \parfillskip -\if@RTL\leftskip\else\rightright\fi
15616 \parindent \cftparaindent\relax\@afterindenttrue
15617 \interlinepenalty\@M
15618 \leavevmode
15619 \@tempdima \cftparanumwidth\relax
15620 \let\@cftbsnum \cftparapresnum
15621 \let\@cftasnum \cftparaaftersnum
15622 \let\@cftasnumb \cftparaaftersnumb
15623 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright\fi
15624 {\cftparafont #1}\nobreak
15625 \cftparafillnum{#2}}
15626 \fi}
15627 \renewcommand*{\l@subparagraph}[2]{%
15628 \ifnum \c@tocdepth >4\relax
15629 \vskip \cftbeforesubparaskip
15630 {\if@RTL\rightright\else\leftskip\fi \cftsubparaindent\relax
15631 \if@RTL\leftskip\else\rightright\fi \@tocrmarg
15632 \parfillskip -\if@RTL\leftskip\else\rightright\fi
15633 \parindent \cftsubparaindent\relax\@afterindenttrue
15634 \interlinepenalty\@M
15635 \leavevmode
15636 \@tempdima \cftsubparanumwidth\relax
15637 \let\@cftbsnum \cftsubparapresnum
15638 \let\@cftasnum \cftsubparaaftersnum
15639 \let\@cftasnumb \cftsubparaaftersnumb
15640 \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright\fi
15641 {\cftsubparafont #1}\nobreak

```



```

15642     \cftsubparafillnum{#2}}
15643   \fi}
15644 \renewcommand*{\l@figure}[2]{%
15645   \ifnum \c@lofdepth >\z@
15646     \vskip \cftbeforefigskip
15647     {\if@RTL\rightright\else\leftskip\fi \cftfigindent\relax
15648     \if@RTL\leftskip\else\rightright\fi \@tocrmarg
15649     \parfillskip -\if@RTL\leftskip\else\rightright\fi
15650     \parindent \cftfigindent\relax\@afterindenttrue
15651     \interlinepenalty\@M
15652     \leavevmode
15653     \@tempdima \cftfignumwidth\relax
15654     \let\@cftbsnum \cftfigpresnum
15655     \let\@cftasnum \cftfigaftersnum
15656     \let\@cftasnumb \cftfigaftersnumb
15657     \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright\fi
15658     {\cftfigfont #1}\nobreak
15659     \cftfigfillnum{#2}}
15660   \fi
15661 }
15662 \renewcommand*{\l@table}[2]{%
15663   \ifnum\c@lotdepth >\z@
15664     \vskip \cftbeforetabskip
15665     {\if@RTL\rightright\else\leftskip\fi \cfttabindent\relax
15666     \if@RTL\leftskip\else\rightright\fi \@tocrmarg
15667     \parfillskip -\if@RTL\leftskip\else\rightright\fi
15668     \parindent \cfttabindent\relax\@afterindenttrue
15669     \interlinepenalty\@M
15670     \leavevmode
15671     \@tempdima \cfttabnumwidth\relax
15672     \let\@cftbsnum \cfttabpresnum
15673     \let\@cftasnum \cfttabaftersnum
15674     \let\@cftasnumb \cfttabaftersnumb
15675     \advance\if@RTL\rightright\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightright\fi
15676     {\cfttabfont #1}\nobreak
15677     \cfttabfillnum{#2}}
15678   \fi
15679 }
15680 \renewcommand{\@cftl@subfig}{
15681 \renewcommand*{\l@subfigure}[2]{%
15682   \ifnum \c@lofdepth > \toclevel@subfigure
15683     \vskip \cftbeforesubfigskip
15684     {\if@RTL\rightright\else\leftskip\fi \cftsubfigindent\relax
15685     \if@RTL\leftskip\else\rightright\fi \@tocrmarg
15686     \parfillskip -\if@RTL\leftskip\else\rightright\fi
15687     \parindent \cftsubfigindent\relax\@afterindenttrue
15688     \interlinepenalty\@M
15689     \leavevmode
15690     \@tempdima \cftsubfignumwidth\relax
15691     \let\@cftbsnum \cftsubfigpresnum

```



```

15692 \let\@cftasnum \cftsubfigaftersnum
15693 \let\@cftasnumb \cftsubfigaftersnumb
15694 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
15695 {\cftsubfigfont ##1}\nobreak
15696 \cftsubfigfillnum{##2}}
15697 \fi
15698 }
15699 }
15700 \renewcommand{\@cftl@subtab}{
15701 \renewcommand*{\l@subtable}[2]{%
15702 \ifnum \c@lotdepth > \toclevel@subtable
15703 \vskip \cftbeforesubtabskip
15704 {\if@RTL\rightskip\else\leftskip\fi \cftsubtabindent\relax
15705 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15706 \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15707 \parindent \cftsubtabindent\relax\@afterindenttrue
15708 \interlinepenalty\@M
15709 \leavevmode
15710 \@tempdima \cftsubtabnumwidth\relax
15711 \let\@cftbsnum \cftsubtabpresnum
15712 \let\@cftasnum \cftsubtabaftersnum
15713 \let\@cftasnumb \cftsubtabaftersnumb
15714 \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\rightskip
15715 {\cftsubtabfont ##1}\nobreak
15716 \cftsubtabfillnum{##2}}
15717 \fi
15718 }
15719 }
15720 \renewcommand{\newlistentry}[4][\@empty]{%
15721 \@ifundefined{c@#2}{% check & set the counter
15722 \ifx \@empty#1\relax
15723 \newcounter{#2}
15724 \else
15725 \@ifundefined{c@#1}{\PackageWarning{tocloft}%
15726 {#1 has no counter for use as a 'within'}}
15727 \newcounter{#2}}%
15728 {\newcounter{#2}[#1}%
15729 \expandafter\edef\csname the#2\endcsname{%
15730 \expandafter\noexpand\csname the#1\endcsname\@SepMark\noexpand\arabic{#2}}}%
15731 \fi
15732 \setcounter{#2}{0}
15733 }
15734 {\PackageError{tocloft}{#2 has been previously defined}{\@eha}}
15735
15736 \@namedef{l@#2}##1##2{%
15737 \ifnum \@nameuse{c@#3depth} > #4\relax
15738 \vskip \@nameuse{cftbefore#2skip}
15739 {\if@RTL\rightskip\else\leftskip\fi \@nameuse{cft#2indent}\relax
15740 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15741 \parfillskip -\if@RTL\leftskip\else\rightskip\fi

```



```

15742 \parindent \@nameuse{cft#2indent}\relax\@afterindenttrue
15743 \interlinepenalty\@M
15744 \leavevmode
15745 \@tempdima \@nameuse{cft#2numwidth}\relax
15746 \expandafter\let\expandafter\@cftbsnum\csname cft#2presnum\endcsname
15747 \expandafter\let\expandafter\@cftasnum\csname cft#2aftersnum\endcsname
15748 \expandafter\let\expandafter\@cftasnumb\csname cft#2aftersnumb\endcsname
15749 \advance\if@RTL\rightskip\else\leftskip\fi\@tempdima \null\nobreak\hskip -\if@RTL\rightski
15750 {\@nameuse{cft#2font}##1}\nobreak
15751 \@nameuse{cft#2fillnum}{##2}}
15752 \fi
15753 } % end of \l@#2
15754
15755 \expandafter\newlength\csname cftbefore#2skip\endcsname
15756 \setlength{\@nameuse{cftbefore#2skip}}{\z@ \@plus .2\p@}
15757 \expandafter\newlength\csname cft#2indent\endcsname
15758 \expandafter\newlength\csname cft#2numwidth\endcsname
15759 \ifcase #4\relax % 0
15760 \setlength{\@nameuse{cft#2indent}}{0em}
15761 \setlength{\@nameuse{cft#2numwidth}}{1.5em}
15762 \or % 1
15763 \setlength{\@nameuse{cft#2indent}}{1.5em}
15764 \setlength{\@nameuse{cft#2numwidth}}{2.3em}
15765 \or % 2
15766 \setlength{\@nameuse{cft#2indent}}{3.8em}
15767 \setlength{\@nameuse{cft#2numwidth}}{3.2em}
15768 \or % 3
15769 \setlength{\@nameuse{cft#2indent}}{7.0em}
15770 \setlength{\@nameuse{cft#2numwidth}}{4.1em}
15771 \else % anything else
15772 \setlength{\@nameuse{cft#2indent}}{10.0em}
15773 \setlength{\@nameuse{cft#2numwidth}}{5.0em}
15774 \fi
15775 \@namedef{cft#2font}{\normalfont}
15776 \@namedef{cft#2presnum}{\}
15777 \@namedef{cft#2aftersnum}{\}
15778 \@namedef{cft#2aftersnumb}{\}
15779 \@namedef{cft#2dotsep}{\cftdotsep}
15780 \@namedef{cft#2leader}{\normalfont\cftdotfill{\@nameuse{cft#2dotsep}}}
15781 \@namedef{cft#2pagefont}{\normalfont}
15782 \@namedef{cft#2afterpnum}{\}
15783 \@namedef{toclevel@#2}{#4}
15784 \@namedef{cft#2fillnum}##1{%
15785 {\@nameuse{cft#2leader}}\nobreak
15786 \hb@xt@\@pnumwidth{\hfil\@nameuse{cft#2pagefont}##1}\@nameuse{cft#2afterpnum}\par}
15787 } % end \newlistentry
15788 \renewcommand{\cftchapterprecistoc}[1]{\addtocontents{toc}{%
15789 {\if@RTL\rightskip\else\leftskip\fi \cftchapindent\relax
15790 \advance\if@RTL\rightskip\else\leftskip\fi \cftchapnumwidth\relax
15791 \if@RTL\leftskip\else\rightskip\fi \@tocrmarg\relax

```



```
15792 \textit{#1}\protect\par}}}
```

7.113 tocstyle-xetex-bidi.def

```
15793 \ProvidesFile{tocstyle-xetex-bidi.def}[2010/07/25 v0.1 bidi adaptations for tocstyle package for
15794 \renewcommand*{\tocstyle@dottedtocline}[5]{%
15795 \let\numberline\tocstyle@numberline
15796 \ifnum #1>\c@tocdepth \else
15797 \if@tocstyle@penalties
15798 \begingroup
15799 \@tempcnta 20010
15800 \advance \@tempcnta by -#1
15801 \ifnum \@tempcnta>\lastpenalty
15802 \aftergroup\penalty\aftergroup\@lowpenalty
15803 \fi
15804 \endgroup
15805 \fi
15806 \edef\tocstyledepth{#1}%
15807 \tocstyle@activate@features
15808 \ifx\tocstyle@feature@entryvskip\relax
15809 \vskip \z@ \@plus.2\p@
15810 \else
15811 \addvspace{\tocstyle@feature@entryvskip}%
15812 \fi
15813 {%
15814 \parskip \z@ \parindent \z@ \if@RTL\rightskip\else\leftskip\fi \z@ \if@RTL\leftskip\else\rightskip\fi
15815 \tocstyle@feature@raggedhook
15816 \@tempdima #3\relax
15817 \@tempdimb #2\relax
15818 \typeout{m (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
15819 \ifnum #1>\z@\relax
15820 \@tempcnta #1\relax \advance\@tempcnta \m@ne
15821 \ifcsname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
15822 \ifcsname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
15823 \@tempdimb
15824 \csname tocstyle@skipwidth@\tocstyleTOC @\the\@tempcnta\endcsname
15825 \advance\@tempdimb
15826 \csname tocstyle@numwidth@\tocstyleTOC @\the\@tempcnta\endcsname
15827 \fi
15828 \fi
15829 \fi
15830 \typeout{C (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
15831 \ifcsname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname
15832 \ifdim \@tempdimb>
15833 \csname tocstyle@skipwidth@\tocstyleTOC @#1\endcsname\relax
15834 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
15835 @#1\endcsname{\the\@tempdimb}%
15836 \fi
15837 \else
15838 \expandafter\xdef\csname tocstyle@skipwidth@\tocstyleTOC
```



```

15839      @#1\endcsname{\the\@tempdimb}%
15840    \fi
15841    \iftocstyle@autolength
15842      \ifcsname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
15843      \@tempdimb \csname tocstyle@maxskipwidth@\tocstyleTOC @#1\endcsname
15844        \relax
15845      \fi
15846      \ifcsname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
15847      \@tempdima \csname tocstyle@maxnumwidth@\tocstyleTOC @#1\endcsname
15848        \relax
15849      \fi
15850      \typeout{a (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
15851      \typeout{A (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
15852    \else
15853      \@tempdimb #2\relax
15854      \typeout{M (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
15855    \fi
15856    \ifcsname tocstyle@unumwidth@\tocstyleTOC @\endcsname
15857      \ifdim \@tempdima>
15858        \csname tocstyle@unumwidth@\tocstyleTOC @\endcsname\relax
15859        \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
15860          @\endcsname{\the\@tempdima}%
15861      \fi
15862    \else
15863      \expandafter\xdef\csname tocstyle@unumwidth@\tocstyleTOC
15864        @\endcsname{\the\@tempdima}%
15865    \fi
15866    \ifcase\tocstyle@indentstyle\relax\else
15867      \@tempdimb \z@
15868      \ifcsname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
15869      \@tempdima \csname tocstyle@maxunumwidth@\tocstyleTOC @\endcsname
15870        \relax
15871      \fi
15872      \typeout{s (\tocstyleTOC, \tocstyledepth): \the\@tempdima}%
15873      \typeout{S (\tocstyleTOC, \tocstyledepth): \the\@tempdimb}%
15874    \fi
15875    \advance\parindent \@tempdimb\@afterindenttrue
15876    \advance\if@RTL\rightskip\else\leftskip\fi \parindent
15877    \advance\if@RTL\leftskip\else\rightskip\fi \@tocrmarg
15878    \parfillskip -\if@RTL\leftskip\else\rightskip\fi
15879    \ifx\tocstyle@feature@parfillskip\relax\else
15880      \advance\parfillskip \tocstyle@feature@parfillskip\relax
15881    \fi
15882    \interlinepenalty\@M
15883    \leavevmode
15884    \advance\if@RTL\rightskip\else\leftskip\fi \@tempdima
15885    \null\nobreak
15886    \iftocstyle@indentnotnumbered\else
15887      \hskip -\if@RTL\rightskip\else\leftskip\fi
15888    \fi

```




```

15889 \tocstyle@feature@entryhook
15890 {#4}\nobreak
15891 \ifx\tocstyle@feature@leaders\relax
15892 \leaders\hbox{$\m@th
15893 \mkern \@dotsep mu\hbox{\tocstyle@feature@dothook .}%
15894 \mkern \@dotsep mu$}\hfill
15895 \else
15896 \tocstyle@feature@leaders
15897 \fi
15898 \nobreak
15899 \ifx\tocstyle@feature@pagenumberbox\relax
15900 \hb@xt@\@pnumwidth{\hfil\tocstyle@feature@pagenumberhook #5}%
15901 \else
15902 \tocstyle@feature@pagenumberbox{\tocstyle@feature@pagenumberhook #5}%
15903 \fi
15904 \par
15905 }%
15906 \if\tocstyle@penalties
15907 \bgroup
15908 \@tempcnta 20009
15909 \advance\@tempcnta by -#1
15910 \edef\reserved@a{\egroup\penalty\the\@tempcnta\relax}%
15911 \reserved@a
15912 \fi
15913 \fi}
15914 \renewcommand*{\tocstyle@numberline}[1]{%
15915 \beginingroup
15916 \ifx\tocstyle@feature@spaceafternumber\relax
15917 \settowidth\@tempdima{\tocstyle@@numberline{#1}\enskip}%
15918 \else
15919 \settowidth\@tempdima{\tocstyle@@numberline{#1}}%
15920 \advance \@tempdima \tocstyle@feature@spaceafternumber\relax
15921 \fi
15922 \ifcsname tocstyle@numwidth@\tocstyleTOC \@tocstyledepth\endcsname
15923 \ifdim \@tempdima >
15924 \csname tocstyle@numwidth@\tocstyleTOC \@tocstyledepth\endcsname\relax
15925 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
15926 @\tocstyledepth\endcsname{\the\@tempdima}%
15927 \fi
15928 \else
15929 \expandafter\xdef\csname tocstyle@numwidth@\tocstyleTOC
15930 @\tocstyledepth\endcsname{\the\@tempdima}%
15931 \fi
15932 \endgroup
15933 \iftocstyle@indentnotnumbered
15934 \hskip -\if@RTL\rightskip\else\leftskip\fi
15935 \fi
15936 \ifcase \tocstyle@indentstyle
15937 \hb@xt@\@tempdima{\tocstyle@@numberline{#1}\hfil}%
15938 \or

```



```

15939 \hb@xt@\@tempdima{\tocstyle@numberline{#1}\hfil}%
15940 \else
15941 \ifx\tocstyle@feature@spaceafternumber\relax
15942 \hbox{\tocstyle@numberline{#1}\enskip}%
15943 \else
15944 \hbox{\tocstyle@numberline{#1}\hskip
15945 \tocstyle@feature@spaceafternumber\relax}%
15946 \fi
15947 \fi
15948 }
15949 \AtBeginDocument{%
15950 \ifcsname l@part\endcsname
15951 \ifcsname l@chapter\endcsname
15952 \setbox\@tempboxa\vbox{\hsize\maxdimen
15953 \l@part{\tocstyle@l@define{part}{-1}}{}}%
15954 \else
15955 \setbox\@tempboxa\vbox{\hsize\maxdimen
15956 \l@part{\tocstyle@l@define{part}{0}}{}}%
15957 \fi
15958 \fi
15959 \ifcsname l@chapter\endcsname
15960 \setbox\@tempboxa\vbox{\hsize\maxdimen
15961 \l@chapter{\tocstyle@l@define{chapter}{0}}{}}%
15962 \fi
15963 \ifcsname l@section\endcsname
15964 \setbox\@tempboxa\vbox{\hsize\maxdimen
15965 \l@section{\tocstyle@l@define{section}{1}}{}}%
15966 \fi
15967 \ifcsname l@subsection\endcsname
15968 \setbox\@tempboxa\vbox{\hsize\maxdimen
15969 \l@subsection{\tocstyle@l@define{subsection}{2}}{}}%
15970 \fi
15971 \ifcsname l@subsubsection\endcsname
15972 \setbox\@tempboxa\vbox{\hsize\maxdimen
15973 \l@subsubsection{\tocstyle@l@define{subsubsection}{3}}{}}%
15974 \fi
15975 \ifcsname l@paragraph\endcsname
15976 \setbox\@tempboxa\vbox{\hsize\maxdimen
15977 \l@paragraph{\tocstyle@l@define{paragraph}{4}}{}}%
15978 \fi
15979 \ifcsname l@subparagraph\endcsname
15980 \setbox\@tempboxa\vbox{\hsize\maxdimen
15981 \l@subparagraph{\tocstyle@l@define{subparagraph}{5}}{}}%
15982 \fi
15983 \ifcsname l@table\endcsname
15984 \setbox\@tempboxa\vbox{\hsize\maxdimen
15985 \l@table{\tocstyle@l@define{table}{1}}{}}%
15986 \fi
15987 \ifcsname l@figure\endcsname
15988 \setbox\@tempboxa\vbox{\hsize\maxdimen

```



```

15989      \l@figure{\tocstyle@l@define{figure}{1}}{}}%
15990      \fi
15991      \def\@tempa#1#2#3#4#5{%
15992        \ifnum #1>\c@tocdepth \else
15993          \vskip \z@ \@plus.2\p@
15994          {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg
15995            \parindent #2\relax\@afterindenttrue
15996            \interlinepenalty\@M
15997            \leavevmode
15998            \@tempdima #3\relax
15999            \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
16000              {#4}\nobreak
16001              \leaders\hbox{$\m@th
16002                \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
16003                mu$}\hfill
16004              \nobreak
16005              \hb@xt@\@pnumwidth{\hfil \normalfont \normalcolor #5}}%
16006            \par}%
16007      \fi}%
16008      \ifx\@dottedtocline\@tempa\else
16009        \tocstyle@macrochangewarning\@dottedtocline
16010      \fi
16011      \let\tocstyle@saved@dottedtocline\@dottedtocline
16012      \def\@tempa#1{\hb@xt@\@tempdima{#1\autodot\hfil}}%
16013      \ifx\numberline\@tempa\else
16014        \def\@tempa#1{\hb@xt@\@tempdima{#1\hfil}}%
16015        \ifx\numberline\@tempa\else
16016          \tocstyle@macrochangewarning\numberline
16017        \fi
16018      \fi
16019      \let\tocstyle@saved@numberline\numberline
16020 }
16021 \renewcommand*{\tocstyle@l@define}[2]{%
16022   \advance\if@RTL\righskip\else\leftskip\fi-\@tempdima
16023   \edef\@tempa{%
16024     \noexpand\global\noexpand\let
16025     \expandafter\noexpand\csname tocstyle@saved@l@#1\endcsname
16026     \expandafter\noexpand\csname l@#1\endcsname
16027     \noexpand\gdef
16028     \expandafter\noexpand\csname tocstyle@l@#1\endcsname{%
16029       \noexpand\@dottedtocline{#2}{\the\if@RTL\righskip\else\leftskip\fi}{\the\@tempdima}}%
16030     \noexpand\g@addto@macro\noexpand\tocstyle@activate@all@l@{
16031       \noexpand\let\expandafter\noexpand\csname l@#1\endcsname
16032       \expandafter\noexpand\csname tocstyle@l@#1\endcsname
16033     }%
16034   }%
16035   \PackageInfo{tocstyle}{prepare \expandafter\string
16036     \csname l@#1\endcsname\space for redefinition}%
16037   \@tempa
16038 }

```



7.114 todonotes-xetex-bidi.def

```

16039 \ProvidesFile{todonotes-xetex-bidi.def}[2014/11/23 v0.2 bidi adaptations for todonotes package f
16040 \newif\if@bidi@todonotes@textdirection@RTL
16041 \newif\if@bidi@todonotes@figposition@right
16042 \newcommand{\@bidi@todonotes@align}{}%
16043 \define@key{todonotes}{align}{\renewcommand{\@bidi@todonotes@align}{#1}}%
16044 \newcommand{\@bidi@todonotes@textdirection}{}%
16045 \define@choicekey{todonotes}{textdirection}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,le
16046 \ifcase\@bidi@todonotes@tempb\relax
16047 \@bidi@todonotes@textdirection@RTLtrue
16048 \let\@bidi@todonotes@textdirection\RLE
16049 \or
16050 \@bidi@todonotes@textdirection@RTLfalse
16051 \let\@bidi@todonotes@textdirection\LRE
16052 \fi}
16053 \define@choicekey{todonotes}{figposition}[\@bidi@todonotes@tempa\@bidi@todonotes@tempb]{right,le
16054 \ifcase\@bidi@todonotes@tempb\relax
16055 \@bidi@todonotes@figposition@righttrue
16056 \or
16057 \@bidi@todonotes@figposition@rightfalse
16058 \fi}
16059 \if@todonotes@disabled%
16060 \else % \if@todonotes@disabled
16061 \renewcommand{\@todonotes@drawMarginNoteWithLine}{%
16062 \begin{tikzpicture}[remember picture, overlay, baseline=-0.75ex]%
16063 \node [coordinate] (inText) {};%
16064 \end{tikzpicture}}%
16065 \marginpar[{} Draw note in left margin
16066 \@todonotes@drawMarginNote%
16067 \ifRTL\@todonotes@drawLineToRightMargin\else\@todonotes@drawLineToLeftMargin\fi%
16068 ]{} Draw note in right margin
16069 \@todonotes@drawMarginNote%
16070 \ifRTL\@todonotes@drawLineToLeftMargin\else\@todonotes@drawLineToRightMargin\fi%
16071 }%
16072 }%
16073 \renewcommand{\@todonotes@drawMarginNote}{%
16074 \if@todonotes@dviStyle%
16075 \begin{tikzpicture}[remember picture]%
16076 \draw node[notestyle] {};%
16077 \end{tikzpicture}}\%
16078 \begin{minipage}{\@todonotes@textwidth}%
16079 \if@todonotes@authorgiven%
16080 \@todonotes@sizecommand \@todonotes@author \@todonotes@text%
16081 \else%
16082 \@todonotes@sizecommand \@todonotes@text%
16083 \fi%
16084 \end{minipage}}\%
16085 \begin{tikzpicture}[remember picture]%
16086 \draw node[notestyle] (inNote) {};%

```



```

16087 \end{tikzpicture}%
16088 \else%
16089 \let\originalHbadness\hbadness%
16090 \hbadness 100000%
16091 \begin{tikzpicture}[remember picture,baseline=(X.base)]%
16092 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
16093 \node(X){\vphantom{X}};%
16094 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
16095 \if@todonotes@authorgiven%
16096 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@sizecommand\@todonotes@author};%
16097 \node(Y)[below=of X]{};%
16098 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
16099 \else%
16100 \draw node[notestyle,font=\@todonotes@sizecommand,anchor=north,align=\@bidi@todonotes@align]{\@todonotes@text};%
16101 \fi%
16102 \end{tikzpicture}%
16103 \hbadness \originalHbadness%
16104 \fi}%
16105 \renewcommand{\missingfigure}[2][]{%
16106 \setkeys{todonotes}{#1}%
16107 \addcontentsline{tdo}{todo}{\@todonotes@MissingFigureText: #2}%
16108 \par
16109 \noindent
16110 \begin{tikzpicture}
16111 \draw[fill=\@todonotes@currentfigcolor, draw = black!40, line width=2pt]
16112 (-2, -2.5) rectangle +(\@todonotes@currentfigwidth, \@todonotes@currentfigheight);
16113 \if@bidi@todonotes@figposition@right%
16114 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
16115 \fi%
16116 \draw[red, fill=white, rounded corners = 5pt, line width=10pt]
16117 (30:2cm) -- (150:2cm) -- (270:2cm) -- cycle;
16118 \if@bidi@todonotes@figposition@right%
16119 \end{scope}
16120 \begin{scope}[xshift=-3.8cm]
16121 \fi%
16122 \if@bidi@todonotes@textdirection@RTL\setRTL\fi%
16123 \draw (2, -0.3) node[right, text
16124 width=\@todonotes@currentfigwidth-4.5cm,align=\@bidi@todonotes@align] {#2};
16125 \if@bidi@todonotes@figposition@right%
16126 \end{scope}
16127 \begin{scope}[xshift=\@todonotes@currentfigwidth-4cm]
16128 \fi%
16129 \draw (0, 0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
16130 \draw (0, -0.3) node[align=\@bidi@todonotes@align] {\@bidi@todonotes@textdirection{\@todonotes@text}};
16131 \if@bidi@todonotes@figposition@right%
16132 \end{scope}
16133 \end{tikzpicture}

```



```

16137 \fi%
16138 \end{tikzpicture}\hfill
16139 }% Ending \missingfigure command
16140 \fi % Ending \@todonotes@ifdisabled
16141 \presetkeys%
16142   {todonotes}%
16143   {align=left,%
16144    textdirection=lefttoright,%
16145    figposition=left}{}%

```

7.115 wrapfig-xetex-bidi.def

```

16146 \ProvidesFile{wrapfig-xetex-bidi.def}[2014/04/23 v0.3 bidi adaptations for wrapfig package for Xe
16147 \let\WF@everypar\bidi@n@everypar
16148 \def\WF@putfigmaybe{%
16149 \ifinner
16150   \vskip-\parskip \global\WF@floatfalse
16151   \let\pagetotal\maxdimen % kludge flag for "not top of page"
16152 \else % outer page
16153   \@tempdima\pagedepth % save page depth
16154   {\advance\parskip\@tempdima\if@RTL\advance\parskip\baselineskip\fi\vskip-\parskip}% back up t
16155   \penalty\interlinepenalty % update pg. parameters
16156   \@tempdimb\pagegoal \advance\@tempdimb-\pagetotal % room left on page
16157   \ifdim\@tempdimb<\z@ % \WF@info{Page overfull already;}%
16158     \global\WF@floatfalse
16159     \ifdim-\@tempdimb>\pageshrink \else \pagebreak \fi
16160   \else
16161     \ifdim\WF@size>\@tempdimb
16162       \ifWF@float \dimen@.5\baselineskip \else \dimen@ 2\baselineskip\fi
16163       \ifdim\pagestretch>\dimen@ \dimen@\pagestretch \fi
16164       \ifdim\pagefilstretch>\z@ \dimen@\@tempdimb \fi
16165       \ifdim\pagefillstretch>\z@ \dimen@\@tempdimb \fi
16166       \advance\dimen@.5\baselineskip
16167       \ifdim\dimen@>\@tempdimb % \WF@info{Page nearly full; can stretch}%
16168         \global\WF@floatfalse \pagebreak
16169       \fi
16170     \else % \WF@info{Fits in \the\@tempdimb;}%
16171       \global\WF@floatfalse
16172     \fi\fi
16173   \vskip\@tempdima\relax % (return erased page depth)
16174 \fi
16175 \noindent
16176 \ifWF@float
16177   \WF@fltmes
16178 \else % putting here;
16179   \WF@info{Put \WF@wfname here;}%
16180   {\ifodd\if@twoside\c@page\else\@ne\fi % assign l/r to i/o placement
16181    \lccode`i`l\lccode`o`r\else \lccode`i`r\lccode`o`l\fi
16182    \xdef\WF@place{\the\lccode\lccode\WF@place}}% twice to get only l or r
16183   \hbox to\z@{% \llap or \rlap depending on {l} or {r}; calc effective width

```



```

16184 \@tempdima\wd\WF@box \@tempdimb\WF@ovh
16185 \advance\@tempdima-\@tempdimb \advance\@tempdima\columnsep
16186 \@tempdimb\hsize \advance\@tempdimb-\@tempdima
16187 \xdef\WF@adjlw{\the\@tempdima}%
16188 \ifnum `l=\WF@place % fig on left
16189 \if@RTL%
16190 \kern\@tempdimb \kern\columnsep
16191 \def\@tempa{\hss}% position to left of the gap
16192 \else%
16193 \hss % figure overlaps space to the left
16194 \def\@tempa{\kern\columnsep}% position to left of the gap
16195 \fi%
16196 \else % fig on right
16197 \if@RTL%
16198 \hss
16199 \@tempdima\z@
16200 \def\@tempa{\kern\columnsep}
16201 \else%
16202 \@tempdima\z@ % no left indentation
16203 \kern\@tempdimb \kern\columnsep
16204 \def\@tempa{\hss}% figure overlaps space to the right
16205 \fi%
16206 \fi
16207 \ifdim\@tempdimb<\hsize
16208 \xdef\WF@wrapil{\the\@tempdima \the\@tempdimb}% indentation and length
16209 \xdef\WF@adjtlm{\the\@tempdima}%
16210 \else
16211 \xdef\WF@wrapil{\z@ \the\hsize}%
16212 \xdef\WF@adjlw{\z@}\xdef\WF@adjtlm{\z@}%
16213 \fi
16214 \ifdim\pagetotal=\z@ % \WF@info{Put \WF@wfname at top of p.\thepage}%
16215 \global\advance\WF@size-\intextsep
16216 \else % \WF@info{Putting \WF@wfname in middle of page}%
16217 \setbox\WF@box\hbox{\lower\intextsep\box\WF@box}%
16218 \fi \dp\WF@box\z@ \box\WF@box \@tempa
16219 }% end \hbox to Opt
16220 \aftergroup\WF@startwrapping % after the \endgroup which immediately follows
16221 \fi}

```

7.116 xcolor-xetex-bidi.def

```

16222 \ProvidesFile{xcolor-xetex-bidi.def}[2013/04/08 v0.2 bidi adaptations for xcolor package for XeT
16223 \long\def\color@b@x#1#2#3%
16224 {\leavevmode\ifmmode\else\if@RTL\beginL\fi\fi
16225 \setbox\z@\hbox{\kern\fbboxsep{\setcolor\if@RTL\beginR\fi#3\if@RTL\endR\fi}\kern\fbboxsep}%
16226 \dimen@ht\z@\advance\dimen@\fbboxsep\ht\z@\dimen@
16227 \dimen@dp\z@\advance\dimen@\fbboxsep\dp\z@\dimen@
16228 {#1#2\color@block{\wd\z@}{\ht\z@}{\dp\z@}\box\z@}}\ifmmode\else\if@RTL\endL\fi\fi}
16229 \def\normalcolor{\let\current@color\default@color\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi}
16230 \DeclareRobustCommand\color

```



```

16231 {\ifhmode\if@RTL\beginL\aftergroup\endR\fi\fi\@ifnextchar[\@undeclaredcolor\@declaredcolor}
16232 \def\@undeclaredcolor[#1]#2%
16233 {\begingroup
16234 \let\@cls\@empty
16235 \XC@getmodclr12{#1}{#2}{}%
16236 {\ifblendcolors
16237 \ifx\colorblend\@empty\else
16238 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
16239 \XC@coremodel\@mod\@clr\@xcolor@{}}\@mod\@clr
16240 \fi
16241 \fi
16242 \ifconvertcolorsU
16243 \edef\@tmp{\XC@tgt@mod{\@mod}}%
16244 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
16245 \fi
16246 \ifmaskcolors
16247 \convertcolorspec\@mod\@clr\XC@mmod\@clr
16248 \let\@mod\XC@mmod
16249 \XC@inflate\@mod\XC@mclr\@clr\@tmp
16250 \expandafter\XC@mul\@tmp,\@clr
16251 \fi
16252 \edef\@tmp{\noexpand\XC@undeclaredcolor{\@mod}{\@clr}}%
16253 \expandafter\endgroup\@tmp}}
16254 \def\@declaredcolor#1%
16255 {\XC@edef\XC@tmp{#1}\XC@tstfalse
16256 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
16257 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
16258 \ifconvertcolorsU\XC@tsttrue\fi
16259 \fi
16260 \ifXC@tst
16261 \expandafter\XC@declaredcolor\else
16262 \expandafter\XC@declaredcolor\fi}
16263 \def\XC@undeclaredcolor#1#2%
16264 {\@ifundefinedmodel{#1}%
16265 {\c@lor@error{model `#1'}}%
16266 {\@nameuse{color@#1}\current@color{#2}}%
16267 \edef\XC@current@color{\noexpand\xcolor@{ }\current@color}{#1}{#2}}%
16268 \XC@display}\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
16269 \def\XC@declaredcolor
16270 {\XC@let\Nc\XC@current@color{\string\color\XC@tmp}%
16271 \edef\current@color{\XC@current@color}%
16272 \XC@display\ifhmode\if@RTL\beginR\aftergroup\endL\fi\fi\ignorespaces}
16273 \DeclareRobustCommand\bidicolor
16274 {\@ifnextchar[\@bidiundeclaredcolor\@bidideclaredcolor}
16275 \def\@bidiundeclaredcolor[#1]#2%
16276 {\begingroup
16277 \let\@cls\@empty
16278 \XC@getmodclr12{#1}{#2}{}%
16279 {\ifblendcolors
16280 \ifx\colorblend\@empty\else

```




```

16281 \edef\@mix{\expandafter\@gobble\colorblend}\@tempwafalse
16282 \XC@coremodel\@mod\@clr\@xcolor@{}{}\@mod\@clr
16283 \fi
16284 \fi
16285 \ifconvertcolorsU
16286 \edef\@tmp{\XC@tgt@mod{\@mod}}%
16287 \convertcolorspec\@mod\@clr\@tmp\@clr \let\@mod\@tmp
16288 \fi
16289 \ifmaskcolors
16290 \convertcolorspec\@mod\@clr\XC@mmod\@clr
16291 \let\@mod\XC@mmod
16292 \XC@inflate\@mod\XC@mclr\@clr\@tmp
16293 \expandafter\XC@mul\@tmp,\@clr
16294 \fi
16295 \edef\@tmp{\noexpand\XC@bidiundeclaredcolor{\@mod}{\@clr}}%
16296 \expandafter\endgroup\@tmp}%
16297 \def\XC@bidiundeclaredcolor#1#2%
16298 {\@ifundefinedmodel{#1}%
16299 {\c@lor@error{model `#1'}}%
16300 {\@nameuse{color@#1}\current@color{#2}}%
16301 \edef\XC@current@color{\noexpand\xcolor@{}{\current@color}{#1}{#2}}%
16302 \XC@display}}
16303 \def\@bidideclaredcolor#1%
16304 {\XC@edef\XC@tmp{#1}\XC@tstfalse
16305 \ifcase\XC@type\XC@tmp\relax \XC@tsttrue\or \relax\else
16306 \ifblendcolors\XC@tsttrue\fi \ifmaskcolors\XC@tsttrue\fi
16307 \ifconvertcolorsU\XC@tsttrue\fi
16308 \fi
16309 \ifXC@tst
16310 \expandafter\XC@bidideclaredcolor\else
16311 \expandafter\XC@bidideclaredc@lor\fi}
16312 \def\XC@bidideclaredcolor
16313 {\XC@split\XC@tmp
16314 \edef\@tmp{\noexpand\@bidiundeclaredcolor[\@mod]{\@clr}}%
16315 \expandafter\endgroup\@tmp}
16316 \def\XC@bidideclaredc@lor
16317 {\XC@let\Nc\XC@current@color{\string\color@\XC@tmp}%
16318 \edef\current@color{\XC@current@color}%
16319 \XC@display}
16320 \def\color@box#1#2{\color@b@x\relax{\bidicolor#1{#2}}}
16321 \def\color@fbbox#1#2#3{\protect\color@fb@x{#1}{#2}{#3}}
16322 \def\color@fb@x#1#2#3#4%
16323 {\color@b@x{\fbboxsep\z@\bidicolor#1{#2}\XC@fbbox}%
16324 {\@ifxempty{#3}{\bidicolor#1}{\bidicolor#3}{#4}}}
16325 \def\color@setgroup{\begingroup\ifhmode\ifRTL\beginL\aftergroup\endR\fi\fi\set@color\ifhmode\fi}

```

7.117 latex-xetex-bidi.def

```

16326 \ProvidesFile{latex-xetex-bidi.def}[2015/02/01 v1.1.9 bidi adaptations for `latex.ltx' for XeTeX]
16327 \newcommand{\TeXXeTOn}{\TeXXeTstate=1 }

```



```

16328 \newcommand{\TeXeTOff}{\TeXeTstate=0 }
16329 \TeXeTOn
16330 \def\bid@RTL@everypar{\if@RTL{\setbox\z@ \lastbox\beginR\ifvoid\z@\else\usebox\z@\fi}\fi}
16331 \let\bid@o@everypar=\everypar
16332 \newtoks\bid@n@everypar
16333 \bid@n@everypar\expandafter{\the\bid@o@everypar}
16334 \bid@o@everypar{\bid@RTL@everypar\the\bid@n@everypar}
16335 \let\everypar=\bid@n@everypar
16336 \def\moreLRE{\bracetext \aftergroup\endL \beginL\@RTLfalse}
16337 \def\moreRLE{\bracetext \aftergroup\endR \beginR\@RTLtrue}
16338 \protected\def\hboxR{\hbox\bgroup
16339 \everyhbox{%
16340 \aftergroup\egroup
16341 \everyhbox{}}%
16342 \beginR
16343 \bgroup
16344 \aftergroup\endR
16345 \aftergroup\egroup
16346 }\hbox}
16347 \protected\def\hboxL{\hbox\bgroup
16348 \everyhbox{%
16349 \aftergroup\egroup
16350 \everyhbox{}}%
16351 \beginL
16352 \bgroup
16353 \aftergroup\endL
16354 \aftergroup\egroup
16355 }\hbox}
16356 \protected\def\vboxR{\vbox\bgroup
16357 \everyvbox{%
16358 \aftergroup\egroup
16359 \everyvbox{}}%
16360 \@RTLtrue
16361 \bgroup
16362 \aftergroup\egroup
16363 }\vbox}
16364 \protected\def\vboxL{\vbox\bgroup
16365 \everyvbox{%
16366 \aftergroup\egroup
16367 \everyvbox{}}%
16368 \@RTLfalse
16369 \bgroup
16370 \aftergroup\egroup
16371 }\vbox}
16372 \def\LTR{\par\@RTLfalse\@RTL@footnotefalse\if@bidi@list@minipage@parbox\beginL\else\if@RTLtab\
16373 \def\endLTR{\par}
16374 \def\RTL{\par\@RTLtrue\@RTL@footnotetrue\hsize\linewidth\parshape\z@}
16375 \def\endRTL{\par}
16376 \def\setRTL{\@RTLtrue\@RTL@footnotetrue}
16377 \def\setLTR{\@RTLfalse\@RTL@footnotefalse\if@bidi@list@minipage@parbox\beginL\else\if@RTLtab\

```



```

16378 \let\unsetRTL=\setLTR
16379 \let\unsetLTR=\setRTL
16380 \let\LR=\LRE
16381 \let\RL=\RLE
16382 \def\@ensure@RTL#1{\if@RTL#1\else\RLE{#1}\fi}
16383 \def\@ensure@LTR#1{\if@RTL\LRE{#1}\else#1\fi}
16384 \let\@ensure@RL=\@ensure@RTL
16385 \let\@ensure@LR=\@ensure@LTR
16386 \def\@ensure@dir#1{\if@RTL\RLE{#1}\else{#1}\fi}
16387 \let\@ensure@maindir=\@ensure@dir
16388 \def\@RTL{RTL}
16389 \def\@LTR{LTR}
16390 \def\save@dir{\if@RTL\gdef\saved@dir{RTL}\else\gdef\saved@dir{LTR}\fi}
16391 \def\reset@dir{\ifx\saved@dir\@RTL\setRTL\else\ifx\saved@dir\@LTR\setLTR\else\relax\fi\fi}
16392 \let\@TeX\TeX
16393 \def\TeX{\@ensure@LTR{\@TeX}}
16394 \let\@LaTeX\LaTeX
16395 \def\LaTeX{\@ensure@LTR{\@LaTeX}}
16396 \let\@LaTeXe\LaTeXe
16397 \def\LaTeXe{\@ensure@LTR{\@LaTeXe}}
16398 \long\def\bidireflect@box#1{%
16399   \leavevmode
16400   \setbox\z@\hbox{#1}%
16401   \setbox\tw@\hbox{\special{x:gsave}\special{x:scale -1 1}\rlap{\copy\z@}\special{x:grestore}}%
16402   \hb@xt@\wd\z@{\kern\wd\z@\box\tw@\hss}%
16403 }
16404 \def\XeTeX\LR{\leavevmode$\smash{\hbox{X\lower.5ex
16405   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \TeX}}$}}
16406 \def\XeLaTeX\LR{\leavevmode$\smash{\hbox{X\lower.5ex
16407   \hbox{\kern-.125em\bidireflect@box{E}}\kern-.1667em \LaTeX}}$}}
16408 \let\setRL=\setRTL
16409 \let\setLR=\setLTR
16410 \let\unsetRL=\setLTR
16411 \def\RTLcases#1{\left.\vcenter{\normalbaselines\m@th
16412   \ialign{##\hfil$\quad$##\hfil\crrc#1\crrc}}\right\}}
16413 \def\SepMark#1{\gdef\@SepMark{\if@RTL\fi#1\if@RTL\fi}}
16414 \SepMark{.}
16415 \def\@thmcountersep{\@SepMark}
16416 \def\setRTLbibitems{\@RTLbibitemstrue\@LTRbibitemsfalse}
16417 \def\setLTRbibitems{\@LTRbibitemstrue\@RTLbibitemsfalse}
16418 \def\setdefaultbibitems{\@RTLbibitemsfalse\@LTRbibitemsfalse}
16419 \def\list#1#2{%
16420   \ifnum \@listdepth >5\relax
16421     \@toodeep
16422   \else
16423     \global\advance\@listdepth\@ne
16424   \fi
16425   \rightmargin\z@
16426   \listparindent\z@
16427   \itemindent\z@

```



```

16428 \csname @list\romannumeral\the\@listdepth\endcsname
16429 \def\@itemlabel{#1}%
16430 \let\makelabel\@mklab
16431 \@nmbulistfalse
16432 #2\relax
16433 \@trivlist
16434 \parskip\parsep
16435 \parindent\listparindent
16436 \advance\linewidth -\rightmargin
16437 \advance\linewidth -\leftmargin
16438 \if@bidi@list@minipage@parbox
16439 \if@RTL
16440 \advance\@totalleftmargin \leftmargin
16441 \else
16442 \advance\@totalleftmargin \rightmargin
16443 \fi
16444 \else
16445 \if@RTLtab
16446 \if@bidi@list@minipage@parbox@not@nob
16447 \if@RTL
16448 \advance\@totalleftmargin \rightmargin
16449 \else
16450 \advance\@totalleftmargin \leftmargin
16451 \fi
16452 \else
16453 \if@RTL
16454 \advance\@totalleftmargin \leftmargin
16455 \else
16456 \advance\@totalleftmargin \rightmargin
16457 \fi\fi
16458 \else
16459 \if@RTL
16460 \advance\@totalleftmargin \rightmargin
16461 \else
16462 \advance\@totalleftmargin \leftmargin
16463 \fi\fi\fi
16464 \parshape \@one \@totalleftmargin \linewidth
16465 \ignorespaces}
16466 \def\@item[#1]{%
16467 \if@noparitem
16468 \@donoparitem
16469 \else
16470 \if@inlabel
16471 \indent \par
16472 \fi
16473 \ifhmode
16474 \unskip\unskip \par
16475 \fi
16476 \if@newlist
16477 \if@nobreak

```



```

16478         \@nbitem
16479     \else
16480         \addpenalty\@beginparpenalty
16481         \addvspace\@topsep
16482         \addvspace{-\parskip}%
16483     \fi
16484 \else
16485     \addpenalty\@itempenalty
16486     \addvspace\itemsep
16487 \fi
16488 \global\@inlabeltrue
16489 \fi
16490 \everypar{\if@bidi@list@minipage@parbox\if@RTL\else\beginL\fi\else\if@RTLtab\if@RTL\else\beginR\fi}%
16491 \global\@minipagefalse
16492 \global\@newlistfalse
16493 \if@inlabel
16494     \global\@inlabelfalse
16495     {\setbox\z@\lastbox
16496     \ifvoid\z@
16497         \kern-\itemindent
16498     \fi}%
16499     \box\@labels
16500     \penalty\z@
16501 \fi
16502 \if@nobreak
16503     \@nobreakfalse
16504     \clubpenalty \@M
16505 \else
16506     \clubpenalty \@clubpenalty
16507     \everypar{}%
16508 \fi}%
16509 \if@noitemarg
16510     \@noitemargfalse
16511     \if@nmbrlist
16512         \refstepcounter\@listctr
16513     \fi
16514 \fi
16515 \sbox\@tempboxa{\makelabel{#1}}%
16516 \global\setbox\@labels\hbox{%
16517     \unhbox\@labels
16518     \hskip \itemindent
16519     \hskip -\labelwidth
16520     \hskip -\labelsep
16521     \ifdim \wd\@tempboxa >\labelwidth
16522         \box\@tempboxa
16523     \else
16524         \hbox to\labelwidth {\unhbox\@tempboxa}%
16525     \fi
16526     \hskip \labelsep}%
16527 \ignorespaces}

```



```

16528 \long\def\@iiiparbox#1#2[#3]#4#5{%
16529   \leavevmode
16530   \@pboxswfalse
16531   \if@RTLtab\@bidi@list@minipage@parbox@not@nobtrue\fi
16532   \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\fi\fi
16533   \setlength\@tempdima{#4}%
16534   \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
16535   \ifx\relax#2\else
16536     \setlength\@tempdimb{#2}%
16537     \edef\@parboxto{to\the\@tempdimb}%
16538     \fi
16539     \if#1b\vbox
16540     \else\if #1t\vtop
16541     \else\ifmmode\vcenter
16542     \else\@pboxswtrue $\vcenter
16543     \fi\fi\fi
16544     \@parboxto{\let\hss\vss\let\unhbox\unvbox
16545       \csname bm#3\endcsname}%
16546     \if@pboxsw \m@th$\fi
16547   \@end@tempboxa}
16548 \def\@bidi@lrbox#1{%
16549   \edef\reserved@a{%
16550     \endgroup
16551     \setbox#1\hbox{%
16552       \begingroup\aftergroup}%
16553       \def\noexpand\@currenvir{\@currenvir}%
16554       \def\noexpand\@currencline{\on@line}}}%
16555   \reserved@a
16556   \@endpefalse
16557   \color@begingroup
16558   \ignorespaces}
16559 \def\@endbidi@lrbox{\unskip\color@endgroup}
16560 \newenvironment{LTRitems}
16561   {\par\@RTLfalse
16562     \if@bidi@list@minipage@parbox
16563       \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
16564       \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
16565       \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
16566       \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
16567       \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
16568       \ignorespaces}{\vskip\z@}
16569 \newenvironment{RTLitems}
16570   {\par\@RTLtrue
16571     \if@bidi@list@minipage@parbox
16572     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
16573     \else \if@RTLtab\if@bidi@list@minipage@parbox@not@nob
16574     \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
16575     \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
16576     \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
16577     \ignorespaces}{\vskip\z@}

```



```

16578 \newenvironment{LTRbibitems}
16579     {\par\@RTLfalse
16580      \if@bidi@list@minipage@parbox
16581      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth
16582      \else \ifRTLtab\if@bidi@list@minipage@parbox@not@nob
16583      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\else
16584      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi
16585      \else \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi\fi
16586      \ignorespaces}\vskip\z@}
16587 \newenvironment{RTLbibitems}
16588     {\par\@RTLtrue
16589      \if@bidi@list@minipage@parbox
16590      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth
16591      \else \ifRTLtab\if@bidi@list@minipage@parbox@not@nob
16592      \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\else
16593      \parshape \@ne \dimexpr(\@totalleftmargin+\leftmargin) \linewidth\fi
16594      \else \parshape \@ne \dimexpr(\@totalleftmargin-\leftmargin) \linewidth\fi\fi
16595      \ignorespaces}\vskip\z@}
16596 \def\raggedright{%
16597   \let\\\@centercr\@rightskip\@flushglue \rightskip\@rightskip
16598   \leftskip\z@skip
16599   \parindent\z@\parfillskip\z@skip}
16600 \let\bidi@orig@raggedleft\raggedleft
16601 \let\bidi@orig@raggedright\raggedright
16602 \renewcommand\raggedleft{\if@bidi@list@minipage@parbox\bidi@orig@raggedright\else\ifRTLtab\bidi@orig@raggedleft\fi}
16603 \renewcommand\raggedright{\if@bidi@list@minipage@parbox\bidi@orig@raggedleft\else\ifRTLtab\bidi@orig@raggedright\fi}
16604 \newcommand{\bidi@raggedright}{\if@RTL\raggedleft\else\raggedright\fi}
16605 \newcommand{\bidi@raggedleft}{\if@RTL\raggedright\else\raggedleft\fi}
16606 \def\centerline#1{%
16607   \if@RTL\@@line{\hss\beginR#1\endR\hss}
16608   \else\@@line{\hss#1\hss}\fi}
16609 \def\leftline#1{%
16610   \if@RTL\@@line{\beginR#1\endR\hss}
16611   \else\@@line{#1\hss}\fi}
16612 \def\rightline#1{%
16613   \if@RTL\@@line{\hss\beginR#1\endR}
16614   \else\@@line{\hss#1}\fi}
16615 \let\bidi@orig@leftline\leftline
16616 \let\bidi@orig@rightline\rightline
16617 \def\leftline#1{\ifhmode\if@RTL\bidi@orig@rightline{#1}\else\bidi@orig@leftline{#1}\fi\else\if@RTL\bidi@orig@leftline{#1}\fi\else\if@RTL\bidi@orig@rightline{#1}\fi\else\if@RTL\bidi@orig@leftline{#1}\fi\fi}
16618 \def\rightline#1{\ifhmode\if@RTL\bidi@orig@leftline{#1}\else\bidi@orig@rightline{#1}\fi\else\if@RTL\bidi@orig@rightline{#1}\fi\else\if@RTL\bidi@orig@leftline{#1}\fi\fi}
16619 \def\bidirlap#1{\hb@xt@{\z@}{\if@RTL\hss\fi#1\if@RTL\else\hss\fi}}
16620 \def\bidillap#1{\hb@xt@{\z@}{\if@RTL\else\hss\fi#1\if@RTL\hss\fi}}
16621 \def\@hangfrom#1{\setbox\@tempboxa\hbox{#1}}%
16622   \hangindent \if@RTL-\else\fi\wd\@tempboxa\noindent\box\@tempboxa}
16623 \def\narrower{%
16624   \advance\if@RTL\rightskip\else\leftskip\fi\parindent
16625   \advance\if@RTL\leftskip\else\rightskip\fi\parindent}
16626 \def\underline#1{%
16627   \relax

```



```

16628 \ifmode\@@underline{#1}%
16629 \else
16630 \if@RTL $\@@underline{\hbox{\beginR#1\endR}}\m@th$\relax
16631 \else
16632 $\@@underline{\hbox{#1}}\m@th$\relax\fi\fi}
16633 \if@compatibility
16634 \let\undertext=\underline
16635 \fi
16636 \global\@RTLtabfalse
16637 \def\@tabular{\if@RTL\@RTLtabtrue\fi
16638 \leavevmode \hbox \bgroup \if@RTLtab\beginR \fi
16639 $\let\@acol\@tabacol
16640 \let\@classz\@tabclassz
16641 \let\@classiv\@tabclassiv \let\\ \@tabularcr\@tabarray}
16642 \def\endtabular{\crr\egroup\if@RTLtab\egroup\endR\egroup\fi
16643 \egroup $\if@RTLtab\endR\fi\egroup
16644 \@RTLtabfalse}
16645 \expandafter \let \csname endtabular*\endcsname = \endtabular
16646 \def\@array[#1]#2{%
16647 \if #1t\vtop \else \if#1b\vbox \else \vcenter \fi\fi
16648 \bgroup
16649 \setbox\@arstrutbox\hbox{%
16650 \vrule \@height\arraystretch\ht\strutbox
16651 \depth\arraystretch \dp\strutbox
16652 \width\z}%
16653 \mkpream{#2}%
16654 \edef\@preamble{%
16655 \ialign \noexpand\@halignto
16656 \bgroup \@arstrut \@preamble \tabskip\z@skip \cr}%
16657 \let\@startpbox\@startpbox \let\@endpbox\@endpbox
16658 \let\@tabularnewline\\%
16659 \let\par\@empty
16660 \let\@sharp##%
16661 \set@typeset@protect
16662 \lineskip\z@skip\baselineskip\z@skip
16663 \ifhmode \@preamerr\z@ \@@par\fi
16664 \if@RTLtab\hbox\bgroup\beginR\vbox\bgroup\fi
16665 \@preamble}
16666 \def\array{\let\@acol\@arrayacol \let\@classz\@arrayclassz
16667 \let\@classiv\@arrayclassiv
16668 \let\\ \@arraycr\let\@halignto\@empty\@RTLtabfalse\@tabarray}
16669 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
16670 \ifnum \@lastchclass=3 5 \else
16671 \z@ \if #1c\@chnum \z@ \else
16672 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
16673 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
16674 \@chclass \if #1|\@one \else
16675 \if #1@\tw@ \else
16676 \if #1p3 \else \z@ \@preamerr 0\fi
16677 \fi \fi \fi \fi \fi \fi

```




```

16678 \fi}
16679 \def\bm@l{\if@RTL\hss\unhbox\@tempboxa\else\unhbox\@tempboxa\hss\fi}
16680 \def\bm@r{\if@RTL\unhbox\@tempboxa\hss\else\hss\unhbox\@tempboxa\fi}
16681 \def\bm@t{\unhbox\@tempboxa\hss}
16682 \def\bm@b{\hss\unhbox\@tempboxa}
16683 \def\@dottedtocline#1#2#3#4#5{%
16684   \ifnum #1>\c@tocdepth \else
16685     \vskip \z@ \@plus.2\p@
16686     {\if@RTL\righskip\else\leftskip\fi #2\relax \if@RTL\leftskip\else\righskip\fi \@tocrmarg \
16687       \parindent #2\relax\@afterindenttrue
16688       \interlinepenalty\@M
16689       \leavevmode
16690       \@tempdima #3\relax
16691       \advance\if@RTL\righskip\else\leftskip\fi \@tempdima \null\nobreak\hskip -\if@RTL\righskip
16692       {#4}\nobreak
16693       \leaders\hbox{$\m@th
16694         \mkern \@dotsep mu\hbox{.}\mkern \@dotsep
16695         mu$}\hfill
16696       \nobreak
16697       \hb@xt@\@pnumwidth{{\hfil\normalfont \normalcolor #5}}}%
16698       \par}%
16699 \fi}
16700 \def\RTL@outputdblcol{%
16701 \if@firstcolumn \global\@firstcolumnfalse
16702 \global\setbox\@leftcolumn \box\@outputbox
16703 \else \global\@firstcolumntrue
16704 \setbox\@outputbox \vbox {\hbox to\textwidth {%
16705 \hskip \columnwidth
16706 \hfil \vrule width\columnseprule \hfil
16707 \hbox to\columnwidth {\box\@leftcolumn \hss}%
16708 \hskip -\textwidth
16709 \hbox to\columnwidth{\box\@outputbox \hss}%
16710 \hskip \columnsep
16711 \hskip \columnwidth }}%
16712 \@combinedblfloats \@outputpage
16713 \begingroup \@dblfloatplacement \@startdblcolumn
16714 \@whiles\if@colmade \fi
16715 {\@outputpage \@startdblcolumn }\endgroup
16716 \fi}
16717 \def\LTR@outputdblcol{%
16718 \if@firstcolumn
16719   \global \@firstcolumnfalse
16720   \global \setbox\@leftcolumn \box\@outputbox
16721 \else
16722   \global \@firstcolumntrue
16723   \setbox\@outputbox \vbox {%
16724     \hb@xt@\textwidth {%
16725       \hb@xt@\columnwidth {%
16726         \box\@leftcolumn \hss}%
16727     \hfil

```



```

16728                {\normalcolor\vrule \@width\columnseprule}%
16729                \hfil
16730                \hb@xt@\columnwidth {%
16731                \box\@outputbox \hss}%
16732                }%
16733            }%
16734        \@combinedblfloats
16735        \@outputpage
16736        \begingroup
16737            \@dblfloatplacement
16738            \@startdblcolumn
16739            \@whiles\if@fcolmade \fi
16740            {\@outputpage
16741             \@startdblcolumn}%
16742        \endgroup
16743    \fi
16744 }
16745 \renewcommand{\@outputdblcol}{\if@RTLmain\RTL@outputdblcol\else\LTR@outputdblcol\fi}
16746 \newcommand{\RTLdblcol}{\renewcommand{\@outputdblcol}{\RTL@outputdblcol}}
16747 \newcommand{\LTRdblcol}{\renewcommand{\@outputdblcol}{\LTR@outputdblcol}}
16748 \def\LTRmarginpar{%
16749     \ifhmode
16750         \bsphack
16751         \@floatpenalty -\@Mii
16752     \else
16753         \@floatpenalty-\@Miii
16754     \fi
16755     \ifinner
16756         \@parmoderr
16757         \@floatpenalty\z@
16758     \else
16759         \@next\@currbox\@freelist{}{}%
16760         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
16761         {\@floatpenalty\z@
16762          \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
16763     \fi
16764     \@ifnextchar [\@LTRxmpar\@LTRympar}
16765 \long\def\@LTRxmpar[#1]#2{%
16766     \@LTRsavemarbox\@marbox{#1}%
16767     \@LTRsavemarbox\@currbox{#2}%
16768     \@xympar}
16769 \long\def\@LTRympar#1{%
16770     \@LTRsavemarbox\@marbox{#1}%
16771     \global\setbox\@currbox\copy\@marbox
16772     \@xympar}
16773 \long\def \@LTRsavemarbox #1#2{%
16774     \global\setbox #1%
16775         \color@vbox
16776         \vtop{%
16777             \hsize\marginparwidth

```



```

16778      \@parboxrestore
16779      \@LTRmarginparreset
16780      #2%
16781      \@minipagefalse
16782      \outer@nobreak
16783      }%
16784      \color@endbox
16785 }
16786 \def \@LTRmarginparreset {%
16787     \reset@font
16788     \normalsize
16789     \@minipagetrue
16790     \everypar{\@minipagefalse\everypar{}\beginL}%
16791 }
16792 \def\RTLmarginpar{%
16793     \ifhmode
16794         \bsphack
16795         \@floatpenalty -\@Mii
16796     \else
16797         \@floatpenalty-\@Miii
16798     \fi
16799     \ifinner
16800         \@parmoderr
16801         \@floatpenalty\z@
16802     \else
16803         \@next\@currbox\@freelist{}\{}%
16804         \@next\@marbox\@freelist{\global\count\@marbox\m@ne}%
16805         {\@floatpenalty\z@
16806         \@fltovf\def\@currbox{\@tempboxa}\def\@marbox{\@tempboxa}}%
16807     \fi
16808     \@ifnextchar [\@RTLxmpar\@RTLympar}
16809 \long\def\@RTLxmpar[#1]#2{%
16810     \@RTLSavemarbox\@marbox{#1}%
16811     \@RTLSavemarbox\@currbox{#2}%
16812     \@xympar}
16813 \long\def\@RTLympar#1{%
16814     \@RTLSavemarbox\@marbox{#1}%
16815     \global\setbox\@currbox\copy\@marbox
16816     \@xympar}
16817 \long\def \@RTLSavemarbox #1#2{%
16818     \global\setbox #1%
16819     \color@vbox
16820     \vtop{%
16821         \hsize\marginparwidth
16822         \@parboxrestore
16823         \@RTLmarginparreset
16824         #2%
16825         \@minipagefalse
16826         \outer@nobreak
16827     }%

```



```

16828 \color@endbox
16829 }
16830 \def \@RTLmarginparreset {%
16831     \reset@font
16832     \normalsize
16833     \@minipagetrue
16834     \everypar{\@minipagefalse\everypar{}\beginR}%
16835 }
16836 \def \@addmarginpar{\@next\@marbox\@currlist{\@cons\@freelist\@marbox
16837     \@cons\@freelist\@currbox}\@latexbug\@tempcnta\@one
16838     \if@twocolumn
16839         \if@firstcolumn \@tempcnta\m@ne \fi
16840     \else
16841         \if@mparswitch
16842             \ifodd\c@page \else\@tempcnta\m@ne \fi
16843         \fi
16844         \if@reversemargin \@tempcnta -\@tempcnta \fi
16845     \fi
16846     \ifnum\@tempcnta <\z@ \global\setbox\@marbox\box\@currbox \fi
16847     \@tempdima\@mparbottom
16848     \advance\@tempdima -\@pageht
16849     \advance\@tempdima\ht\@marbox
16850     \ifdim\@tempdima >\z@
16851         \@latex@warning@no@line {Marginpar on page \thepage\space moved}%
16852     \else
16853         \@tempdima\z@
16854     \fi
16855     \global\@mparbottom\@pageht
16856     \global\advance\@mparbottom\@tempdima
16857     \global\advance\@mparbottom\dp\@marbox
16858     \global\advance\@mparbottom\marginparpush
16859     \advance\@tempdima -\ht\@marbox
16860     \global\setbox \@marbox
16861         \vbox {\vskip \@tempdima
16862             \box \@marbox}%
16863     \global \ht\@marbox \z@
16864     \global \dp\@marbox \z@
16865     \kern -\@pagedp
16866     \nointerlineskip
16867     \hb@xt@\columnwidth
16868     {\if@RTL\if@LTRmarginpar\beginL\else\beginR\fi\else\if@RTLmarginpar\beginR\else\beginL\fi
16869         \hskip\columnwidth \hskip\marginparsep
16870     \else
16871         \hskip -\marginparsep \hskip -\marginparwidth
16872     \fi
16873     \box\@marbox \hss\if@RTL\if@LTRmarginpar\endL\else\endR\fi\else\if@RTLmarginpar\endR\else
16874     \nointerlineskip
16875     \hbox{\vrule \@height\z@ \@width\z@ \@depth\@pagedp}}
16876 \long\def\@ympar#1{%
16877     \@savemarbox\@marbox{\if@RTL\if@LTRmarginpar\@RTLfalse\else\@RTLtrue\fi\else\if@RTLmarginpar

```



```

16878 \global\setbox\@currbox\copy\@marbox
16879 \xympar}
16880 \def\setRTLmarginpar{\@RTLmarginpartrue\@LTRmarginparfalse}
16881 \def\setLTRmarginpar{\@LTRmarginpartrue\@RTLmarginparfalse}
16882 \def\setdefaultmarginpar{\@RTLmarginparfalse\@LTRmarginparfalse}
16883 \def\@stopline{\unskip\@stopfield\if@rjfield \global\@rjfieldfalse
16884 \@tempdima\@totalleftmargin \advance\@tempdima\linewidth
16885 \hbox to\@tempdima{\if@RTL\beginR\fi\@itemfudge\hskip\dimen\@curtabmar
16886 \box\@curline\hfil\box\@curfield\if@RTL\endR\fi}\else\@addfield
16887 \hbox to\linewidth{\if@RTL\beginR\fi\@itemfudge
16888 \hskip\dimen\@curtabmar\box\@curline\hfil\if@RTL\endR\fi}}%
16889 \fi}
16890 \def\@outputpage{%
16891 \begingroup % the \endgroup is put in by \aftergroup
16892 \let \protect \noexpand
16893 \@resetactivechars
16894 \global\let\@if@newlist\if@newlist
16895 \global\@newlistfalse
16896 \@parboxrestore
16897 \shipout \vbox{%
16898 \set@typeset@protect
16899 \aftergroup \endgroup
16900 \aftergroup \set@typeset@protect
16901 % correct? or just restore by ending
16902 % the group?
16903 \if@specialpage
16904 \global\@specialpagefalse\@nameuse{ps@\@specialstyle}%
16905 \fi
16906 \if@twoside
16907 \ifodd\count\z@ \let\@thehead\@oddhead \let\@thefoot\@oddfoot
16908 \let\@themargin\oddsidemargin
16909 \else \let\@thehead\@evenhead
16910 \let\@thefoot\@evenfoot \let\@themargin\evensidemargin
16911 \fi
16912 \ifx\@thehead\@empty \let\@thehead\hfil \fi
16913 \ifx\@thefoot\@empty \let\@thefoot\hfil \fi
16914 \else %% not @twoside
16915 \ifx\@oddhead\@empty \let\@thehead\hfil \fi
16916 \ifx\@oddfoot\@empty \let\@thefoot\hfil \fi
16917 \fi
16918 \reset@font
16919 \normalsize
16920 \normalsfcodes
16921 \let\label\@gobble
16922 \let\index\@gobble
16923 \let\glossary\@gobble
16924 \baselineskip\z@skip \lineskip\z@skip \lineskiplimit\z@
16925 \@beginndvi
16926 \vskip \topmargin
16927 \moveright\@themargin \vbox {%

```



```

16928      \setbox\@tempboxa \vbox to\headheight{%
16929          \vfil
16930          \color@hbox
16931          \normalcolor
16932          \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thehead\if@RTLma
16933          \color@endbox
16934      }%
16935          %% 22 Feb 87
16936      \dp\@tempboxa \z@
16937      \box\@tempboxa
16938      \vskip \headsep
16939      \box\@outputbox
16940      \baselineskip \footskip
16941      \color@hbox
16942      \normalcolor
16943      \hb@xt@\textwidth{\if@RTLmain\@RTLtrue\beginR\else\@RTLfalse\beginL\fi\@thefoot\if@RTLma
16944      \color@endbox
16945      }%
16946      }%
16947      \global\let\if@newlist\@if@newlist
16948      \global \colht \textheight
16949      \stepcounter{page}%
16950      \let\firstmark\botmark
16951      }
16952      \long\def\@makecaption#1#2{%
16953          \vskip\abovecaptionskip
16954          \sbox\@tempboxa{#1: #2}%
16955          \ifdim \wd\@tempboxa >\hsize
16956              \if@RTL\beginR\fi#1: #2\if@RTL\endR\fi\par
16957          \else
16958              \global \@minipagefalse
16959              \hb@xt@\hsize{\if@RTL\beginR\fi\hfil\box\@tempboxa\hfil\if@RTL\endR\fi}%
16960          \fi
16961          \vskip\belowcaptionskip}
16962      \let\@bidi@sav@eqno=\eqno
16963      \let\@bidi@sav@leqno=\leqno
16964      \def\eqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@eqno \else \@bidi@sav@eqno \fi}
16965      \def\leqno{\ifnum\predisplaydirection<\z@ \@bidi@sav@eqno \else \@bidi@sav@leqno \fi}
16966      \@ifpackageloaded{amsmath}{%
16967          \def\@eqnnum{\normalfont \normalcolor \if@RTL\beginR\fi(\theequation)\if@RTL\endR\fi}}
16968      }
16969      \input{footnote-xetex-bidi.def}
16970      \if@twocolumn
16971          \let\autofooterline\relax
16972          \let\leftfootnoterule\relax
16973          \let\rightfootnoterule\relax
16974          \textwidth\footnoterule
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17076 \renewcommand*{\SC@FLOAT}[2]{{#2}\hspace{\sidecaptionsep}{#1}}
17077 \def\SC@justify@caption{\RaggedRight}\fi%

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7.118 xltextra-xetex-bidi.def

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17107 \let\@XeTeX\XeTeX
17108 \def\XeTeX{\@ensure@LTR{\@XeTeX}}
17109 \let\@XeLaTeX\XeLaTeX
17110 \def\XeLaTeX{\@ensure@LTR{\@XeLaTeX}}

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9 Change History

v13.9	General: Added implementaion of the package.	0	lot, lof, etc with multicol package.	268	
v14.2	General: Fixed the wrong order of toc,		v14.3	General: Removed \leavevmode to avoid extra \par.	122

