



The XePersian *Package*

Documentation for *version 19.4*

to my Master, Ferdowsi The Great

If you want to report any bugs or typos and corrections in the documentation, or ask for any new features, or suggest any improvements, or ask any questions about the package, then please do not send any direct email to me; I will not answer any direct email. Instead please use the issue tracker:

<https://github.com/tex-xet/xepersian/issues>

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

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The XePersian *Package*

Persian for \LaTeX _{2 ϵ} , using Xe \TeX engine

Documentation for [version 19.4](#)

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November 29, 2017

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1 Introduction

XePersian is a package for typesetting Persian/English documents with Xe \LaTeX . The package includes adaptations for use with many other commonly-used packages.

1.1 Important Notes

- ☞ The XePersian package only works with Xe \TeX engine.
- ☞ Before reading this documentation, you should have read the documentation of the bidi package. The XePersian package automatically loads bidi package with `RTLdocument` option enabled and hence any commands that bidi package offers, is also available in XePersian package. Here, in this documentation, we will not repeat any of bidi package's commands.
- ☞ In previous versions ($\leq 1.0.3$) of XePersian, a thesis class provided for typesetting thesis. As of version 1.0.4, we no longer provide this class because we are not familiar with specification of a thesis in Iran and even if we were, the specifications are different from University to University. XePersian is a general package like \LaTeX and should not provide any class for typesetting thesis. So if you really want to have a class file for typesetting thesis, then you should ask your University/department to write one for you.

1.2 XePersian Info On The Terminal and In The Log File

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

```
*****
*
* xepersian package (Persian for LaTeX, using XeTeX engine)
*
* Description: The package supports Persian
* typesetting, using fonts provided in the
* distribution.
*
* Copyright (c) 2008--2017 Vafa Khalighi
*
* v19.4, 2017/11/29
*
* License: LaTeX Project Public License, version
* 1.3c or higher (your choice)
*
* Location on CTAN: /macros/xetex/latex/xepersian
*
* Issue tracker: https://github.com/tex-xet/xepersian/issues
```



```
*
* Support: persian-tex@tug.org
*
* Phone: (+61) 412486635
*
*****
```

2 Basics

2.1 Loading The Package

You can load the package in the ordinary way;

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

Where options of the package are explained later in [subsection 2.4](#).

When loading the package, it is important to know that:

- ❶ xepersian should be the last package that you load, because otherwise you are certainly going to overwrite bidi and XePersian package's definitions and consequently, you will not get the expected output.
- ❷ In fact, in addition to bidi, XePersian also makes sure that some specific packages are loaded before bidi and XePersian; these are those packages that bidi and XePersian modifies them for bidirectional and Persian/English typesetting.

If you load XePersian before any of these packages, then you will get an error saying that you should load XePersian or bidi as your last package. When it says that you should load bidi package as your last package, it really means that you should load XePersian as your last package as bidi package is loaded automatically by XePersian package.

For instance, consider the following minimal example:

```
1 \documentclass{minimal}
2 \usepackage{xepersian}
3 \usepackage{enumerate}
4 \settextfont{XB Niloofar}
5 \begin{document}
6 این فقط یک آزمایش است
7 \end{document}
```

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

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



```

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

1.5 \begin{document}

?
```

2.2 XePersian's Symbol

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

2.3 Commands for Version number, and Date of The Package

```
\xepersianversion \xepersiandate
```

☞ \xepersianversion gives the current version of the package.

☞ \xepersiandate gives the current date of the package.

```

1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \begin{document}
5 \begin{latin}
6 This is typeset by \textsf{\XePersian} package, \xepersianversion,
7 \xepersiandate.
8 \end{latin}
9 \end{document}
```

2.4 Options of The Package

There are few options:

2.4.1 defaultlatinfontfeatures Option

```
defaultlatinfontfeatures=<value>
```

The defaultlatinfontfeatures option allows you to pass font features to the main Latin font. <value> is a set of font features.

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>



2.4.2 extrafootnotefeatures Option

This is just the `extrafootnotefeatures` Option of `bidi` package. If you enable this option, you can typeset footnotes in paragraph form or in multi-columns (from two-columns to ten-columns). For more details, please read the manual of `bidi` package.

2.4.3 Kashida Option

If you pass `Kashida` option to the package, you will use `Kashida` for stretching words for better output quality and getting rid of underfull or overfull `\hbox` messages. Note that you can not use `Kashida` option when you are using `Nastaliq`-like font (well, you still can use `Kashida` option when you use any `Nastaliq`-like font, but I can not guarantee high quality output!).

The following two commands are provided when you activate the `Kashida` option:

`\KashidaOn` `\KashidaOff`

☞ `\KashidaOn` enables `Kashida` and is active by default when `Kashida` option is activated.

☞ `\KashidaOff` disables `Kashida`.

2.4.4 quickindex Option

When you generally want to prepare index for your Persian documents, you need to first run `xelatex`, then `xindy`, and again `xelatex` on your document respectively, which is very time consuming. The `quickindex` option gives you the index with only and only one run of `xelatex`. To use this feature, you will need to run `xelatex --shell-escape` on your `TEX` document; otherwise you get an error which indicates that `shell scape` (or `write18`) is not enabled.

This option is now obsolete and equivalent to `quickindex-variant2` option.

2.4.5 quickindex-variant1 Option

Same as `quickindex` Option but uses variant one (in which `ĩ` is grouped under `l`) for sorting Persian alphabets.

2.4.6 quickindex-variant2 Option

Same as `quickindex` Option but uses variant two (in which `ĩ` is a separate letter) for sorting Persian alphabets.



2.4.7 localise Option

This option allows you to use most frequently-used \LaTeX commands and environments in Persian, almost like what \TeX -e-Parsi offers. This is still work in progress and we wish to add lots more Persian equivalents of \LaTeX and \TeX commands and environments. The Persian equivalents of \LaTeX and \TeX commands are shown in [Table 1](#), The Persian equivalents of XePersian commands are shown in [Table 2](#), Persian equivalents of \LaTeX environments are shown in [Table 3](#) and Persian equivalents of XePersian environments are shown in [Table 4](#).

Please note that the Persian equivalents of \LaTeX and \TeX commands and environments are only available after loading xepersian package. This means that you have to write all commands or environments that come before `\usepackage{xepersian}`, in its original form, i.e. `\documentclass`.

Not only you can use Persian equivalents of \LaTeX and \TeX commands and environments, but still original \LaTeX and \TeX commands and environments work too.

The \TeX , \LaTeX and XePersian commands and environments and their Persian equivalents listed in [Table 1](#), [Table 2](#), [Table 3](#) and [Table 4](#) is not the whole story; If any command and environment in [Table 1](#), [Table 2](#), [Table 3](#) and [Table 4](#) have a starred version, their starred version also work. For example in [Table 1](#), the Persian equivalent of `\chapter` is `فصل`. I know that `\chapter` has a starred version, so this means `*فصل` is also the Persian equivalent of `\chapter*`. Is that clear?

However there is more; you can localise any other commands/environments you want. You can use the following commands to localise your own commands/environments:

```
\eqcommand{<command-name in Persian>}{<original LaTeX command-name>}
\eqenvironment{<environment-name in Persian>}{<original LaTeX environment-name>}
```

Table 1: The Equivalent \LaTeX and \TeX Commands

| Command in \TeX or \LaTeX | Equivalent Persian Command |
|-------------------------------------|----------------------------|
| <code>\@arstrut</code> | شمع جدول |
| <code>\above</code> | فوق |
| <code>\abovedisplayshortskip</code> | فاصله کوتاه بالای نمایش |
| <code>\abovedisplayskip</code> | فاصله بالای نمایش |
| <code>\abstractname</code> | عنوان چکیده |
| <code>\accent</code> | اکسنت |
| <code>\active</code> | فعال |
| <code>\addcontentsline</code> | بیفزاسطر فهرست |
| <code>\addpenalty</code> | اضافه بر جریمه |
| <code>\address</code> | نشانی |
| <code>\addtocontents</code> | بیفزابه فهرست |
| <code>\addtocounter</code> | اضافه بر شمارنده |
| <code>\addtolength</code> | اضافه بر بعد |

Continued on next page



| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|---------------------------------------|
| <code>\addvspace</code> | <code>\بیفزافضای و</code> |
| <code>\adjdemerits</code> | <code>\تنظیم بدنمایی</code> |
| <code>\advance</code> | <code>\بیفزابر</code> |
| <code>\afterassignment</code> | <code>\بعد از انتساب</code> |
| <code>\aftergroup</code> | <code>\بعد از گروه</code> |
| <code>\aleph</code> | <code>\الف</code> |
| <code>\aliasfontfeature</code> | <code>\خصیصه مستعار قلم</code> |
| <code>\aliasfontfeatureoption</code> | <code>\انتخاب خصیصه مستعار قلم</code> |
| <code>\allowbreak</code> | <code>\شکستی</code> |
| <code>\alloc@</code> | <code>\تخصی @</code> |
| <code>\allocationnumber</code> | <code>\تخصیص یافته</code> |
| <code>\allowdisplaybreaks</code> | <code>\شکست نمایش مجاز</code> |
| <code>\Alph</code> | <code>\حروف بزرگ</code> |
| <code>\alph</code> | <code>\حروف کوچک</code> |
| <code>\alsiname</code> | <code>\نام همچنین</code> |
| <code>\and</code> | <code>\و</code> |
| <code>\angle</code> | <code>\زاویه</code> |
| <code>\appendixname</code> | <code>\عنوان پیوست</code> |
| <code>\approx</code> | <code>\تقریب</code> |
| <code>\arabic</code> | <code>\عربی</code> |
| <code>\arg</code> | <code>\آرگ</code> |
| <code>\arrayrulecolor</code> | <code>\رنگ خط جدول</code> |
| <code>\arraycolsep</code> | <code>\فاصله ستونهای آرایه</code> |
| <code>\arrayrulewidth</code> | <code>\ضخامت خط جدول</code> |
| <code>\arraystretch</code> | <code>\کشیدگی آرایه</code> |
| <code>\AtBeginDocument</code> | <code>\در آغاز نوشتار</code> |
| <code>\AtEndDocument</code> | <code>\در پایان نوشتار</code> |
| <code>\AtEndOfClass</code> | <code>\در انتهای طبقه</code> |
| <code>\AtEndOfPackage</code> | <code>\در انتهای سبک</code> |
| <code>\author</code> | <code>\نویسنده</code> |
| <code>\backmatter</code> | <code>\مطلب پشت</code> |
| <code>\backslash</code> | <code>\شکاف پشت</code> |
| <code>\badness</code> | <code>\بدنمایی</code> |
| <code>\bar</code> | <code>\میله</code> |
| <code>\baselineskip</code> | <code>\فاصله کرسی</code> |
| <code>\baselinestretch</code> | <code>\کشش فاصله کرسی</code> |
| <code>\batchmode</code> | <code>\پردازش دسته ای</code> |
| <code>\begin</code> | <code>\شروع</code> |
| <code>\beginL</code> | <code>\شروع چپ</code> |
| <code>\beginR</code> | <code>\شروع راست</code> |

Continued on next page



| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|----------------------------|
| \begingroup | \شروع گروه |
| \belowdisplayshortskip | \فاصله کوتاه پایین نمایش |
| \belowdisplayskip | \فاصله پایین نمایش |
| \bf | \سیاه |
| \bfdefault | \پیش فرض سیاه |
| \bfseries | \شمايل سیاه |
| \bgroup | \شرگروه |
| \bibitem | \مرجوع |
| \bibliography | \کتاب نامه |
| \bibliographystyle | \سبک کتاب نامه |
| \bibname | \عنوان کتاب نامه |
| \bigskip | \پرش بلند |
| \bigskipamount | \مقدار پرش بلند |
| \botfigrule | \خط پایین شناور |
| \botmark | \علامت پایین |
| \bottompageskip | \کادر تا پایین |
| \bottomfraction | \نسبت پایین |
| \box | \کادر |
| \boxmaxdepth | \حد اکثر عمق کادر |
| \break | \بشکن |
| \bullet | \گلوله |
| \@cclv | \دوپن @ پنج |
| \@cclvi | \دوپن @ شش |
| \caption | \شرح |
| \catcode | \کد رده |
| \cc | \رونوشت |
| \ccname | \نام رونوشت |
| \cdot | \نقطه وسط |
| \cdots | \نقاط وسط |
| \centering | \تنظیم از وسط |
| \centerline | \خط وسط |
| \ch@ck | \چک @ ن |
| \chapter | \فصل |
| \chaptername | \عنوان فصل |
| \char | \نویسه |
| \chardef | \تعریف نویسه |
| \CheckCommand | \برسی فرمان |
| \cite | \مرجع |
| \ClassError | \خطای طبقه |
| \ClassInfo | \اطلاع طبقه |

Continued on next page



| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|----------------------------|
| \ClassWarning | \هشدار طبقه |
| \ClassWarningNoLine | \هشدار طبقه بی سطر |
| \cleaders | \نشانگر مرکزی |
| \cleardoublepage | \دو صفحه پاک |
| \clearpage | \صفحه پاک |
| \cline | \خط ناپر |
| \closein | \بند ورودی |
| \closeout | \بند خروجی |
| \closing | \بستن |
| \clubpenalty | \جریمه سربند |
| \clubsuit | \خاج |
| \colbotmark | \علامت پایین ستون اول |
| \colfirstmark | \علامت اول ستون اول |
| \color | \رنگ |
| \colorbox | \کادر رنگ |
| \coltopmark | \علامت بالای ستون اول |
| \columncolor | \رنگ ستون |
| \columnsep | \بین ستون |
| \columnwidth | \پهنای ستون |
| \columnseprule | \خط بین ستون |
| \contentsline | \سطر فهرست |
| \contentsname | \عنوان فهرست مطالب |
| \copy | \کپی |
| \copyright | \حق تالیف |
| \count | \شمار |
| \count@ | \شمار@ |
| \countdef | \تعریف شمار |
| \cr | \سخ |
| \crr | \سخ سخ |
| \csname | \نام فرمان |
| \CurrentOption | \گزینه جاری |
| \dashbox | \کادر بینابین |
| \dashv | \بینابین ع |
| \@date | \@تاریخ |
| \date | \تاریخ |
| \day | \روز |
| \dblbotfigrule | \خط پایین شناور پهن |
| \dblbottomfraction | \نسبت پهن پایین |
| \dblfigrule | \خط بالای شناور پهن |
| \dblfloatpagefraction | \نسبت صفحه شناور پهن |

Continued on next page



| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|----------------------------|
| <code>\dblfloatsep</code> | \فاصله بین شناور پهن |
| <code>\dblftntlocatecode</code> | \کدامکان غیرهمانطور |
| <code>\dbltextfloatsep</code> | \فاصله متن و شناور پهن |
| <code>\dbltopfraction</code> | \نسبت پهن بالا |
| <code>\DeclareFixedFont</code> | \اعلان قلم ثابت |
| <code>\DeclareGraphicsExtensions</code> | \اعلان پسوند گرافیک |
| <code>\DeclareGraphicsRule</code> | \اعلان دستور گرافیک |
| <code>\DeclareOldFontCommand</code> | \اعلان فرمان قلم قدیمی |
| <code>\DeclareOption</code> | \اعلان گزینه |
| <code>\DeclareRobustCommand</code> | \اعلان فرمان قوی |
| <code>\DeclareSymbolFont</code> | \اعلان قلم علائم |
| <code>\deadcycles</code> | \دور بسته |
| <code>\def</code> | \تر |
| <code>\define@key</code> | \تعریف @کلید |
| <code>\definecolor</code> | \تعریف رنگ |
| <code>\deg</code> | \درجه |
| <code>\delcode</code> | \کد جداساز |
| <code>\delimiter</code> | \جداساز |
| <code>\delimiterfactor</code> | \ضریب جداساز |
| <code>\depth</code> | \گودی |
| <code>\diamondsuit</code> | \خشت |
| <code>\dim</code> | \ابعاد |
| <code>\dimen</code> | \بعد |
| <code>\dimen@</code> | \بعد @ |
| <code>\dimen@i</code> | \بعد @یک |
| <code>\dimen@ii</code> | \بعد @دو |
| <code>\dimendef</code> | \تعریف بعد |
| <code>\discretionary</code> | \تیره گذاری |
| <code>\displaybreak</code> | \شکست نمایش |
| <code>\displayindent</code> | \تورفتگی نمایش |
| <code>\displaystyle</code> | \سبک نمایش |
| <code>\displaywidth</code> | \عرض نمایش |
| <code>\divide</code> | \تقسیم |
| <code>\documentclass</code> | \طبقه نوشتار |
| <code>\do</code> | \کن |
| <code>\dospecials</code> | \تعویض کدها |
| <code>\dot</code> | \نقطه |
| <code>\doteq</code> | \نقطه مساوی |
| <code>\dotfill</code> | \پر نقطه |
| <code>\dots</code> | \نقاط |

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| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|------------------------------------|
| <code>\doublebox</code> | <code>\کادر دولا</code> |
| <code>\doublerulesepcolor</code> | <code>\رنگ فاصله دو خط جدول</code> |
| <code>\doublerulesep</code> | <code>\فاصله بین دو خط</code> |
| <code>\downarrow</code> | <code>\فلش پایین</code> |
| <code>\dp</code> | <code>\عمق</code> |
| <code>\dump</code> | <code>\تخلیه</code> |
| <code>\edef</code> | <code>\ترگ</code> |
| <code>\egroup</code> | <code>\پا گروه</code> |
| <code>\eject</code> | <code>\انتهای فاصله</code> |
| <code>\else</code> | <code>\گرنه</code> |
| <code>\em</code> | <code>\تاکید</code> |
| <code>\emergencystretch</code> | <code>\کشش لاجرم</code> |
| <code>\emph</code> | <code>\موکد</code> |
| <code>\@empty</code> | <code>\@پوچ</code> |
| <code>\empty</code> | <code>\پوچ</code> |
| <code>\emptyset</code> | <code>\مجموعه پوچ</code> |
| <code>\end</code> | <code>\پایان</code> |
| <code>\endL</code> | <code>\پایان چپ</code> |
| <code>\endR</code> | <code>\پایان راست</code> |
| <code>\endcsname</code> | <code>\پایان نام فرمان</code> |
| <code>\endfirsthead</code> | <code>\پایان اولین سر</code> |
| <code>\endfoot</code> | <code>\پایان پا</code> |
| <code>\endgraf</code> | <code>\ته بند</code> |
| <code>\endgroup</code> | <code>\پایان گروه</code> |
| <code>\endhead</code> | <code>\پایان سر</code> |
| <code>\endinput</code> | <code>\پایان ورودی</code> |
| <code>\endlastfoot</code> | <code>\پایان آخرین پا</code> |
| <code>\enlargethispage</code> | <code>\گسترش این صفحه</code> |
| <code>\endline</code> | <code>\ته سطر</code> |
| <code>\endlinechar</code> | <code>\نویسه ته سطر</code> |
| <code>\enspace</code> | <code>\ان دوری</code> |
| <code>\enskip</code> | <code>\ان فاصله</code> |
| <code>\eqcommand</code> | <code>\فرمان جانشین</code> |
| <code>\eqenvironment</code> | <code>\محیط جانشین</code> |
| <code>\eqref</code> | <code>\ارجاع فر</code> |
| <code>\errhelp</code> | <code>\کمک خطا</code> |
| <code>\errmessage</code> | <code>\پیام خطا</code> |
| <code>\errorcontextlines</code> | <code>\سطر متن خطا</code> |
| <code>\errorstopmode</code> | <code>\پردازش توقف خطا</code> |
| <code>\escapechar</code> | <code>\نویسه ویژه</code> |

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Command in T_EX or L^AT_EX Equivalent Persian Command

| | |
|---------------------------------|--------------------------------------|
| <code>\euro</code> | <code>\یورو</code> |
| <code>\evensidemargin</code> | <code>\حاشیه زوج</code> |
| <code>\everycr</code> | <code>\هرسخ</code> |
| <code>\everydisplay</code> | <code>\هرنمایش</code> |
| <code>\everyhbox</code> | <code>\هرکادرا</code> |
| <code>\everyjob</code> | <code>\هرکار</code> |
| <code>\everymath</code> | <code>\هرریاضی</code> |
| <code>\everypar</code> | <code>\هربند</code> |
| <code>\everyvbox</code> | <code>\هرکادرو</code> |
| <code>\ExecuteOptions</code> | <code>\اجرای گزینه ها</code> |
| <code>\exhyphenpenalty</code> | <code>\جریمه اضافی تیره بندی</code> |
| <code>\expandafter</code> | <code>\بگستر پس از</code> |
| <code>\extracolsep</code> | <code>\فاصله اضافی بین ستونها</code> |
| <code>@firstofone</code> | <code>@اولی از یک</code> |
| <code>@firstoftwo</code> | <code>@اولی از دو</code> |
| <code>\f@ur</code> | <code>\چ@ار</code> |
| <code>\fam</code> | <code>\خانواده</code> |
| <code>\fancy page</code> | <code>\صفحه تجملی</code> |
| <code>\fbox</code> | <code>\کادر با</code> |
| <code>\fboxrule</code> | <code>\ضخامت کادر با</code> |
| <code>\fboxsep</code> | <code>\حاشیه کادر با</code> |
| <code>\fcolorbox</code> | <code>\کادر با رنگ</code> |
| <code>\fi</code> | <code>\رگ</code> |
| <code>\figurename</code> | <code>\عنوان شکل</code> |
| <code>\filbreak</code> | <code>\پر شکن</code> |
| <code>\fill</code> | <code>\پر</code> |
| <code>\firstmark</code> | <code>\علامت اول</code> |
| <code>\flat</code> | <code>\پهن</code> |
| <code>\floatpagefraction</code> | <code>\نسبت صفحه شناور</code> |
| <code>\floatingpenalty</code> | <code>\جریمه شناور</code> |
| <code>\floatsep</code> | <code>\فاصله بین شناور</code> |
| <code>\flushbottom</code> | <code>\تنظیم از پایین</code> |
| <code>\fmtname</code> | <code>\شکل بندی</code> |
| <code>\fmtversion</code> | <code>\رده شکل بندی</code> |
| <code>\fnsymbol</code> | <code>\نشانه</code> |
| <code>\font</code> | <code>\قلم</code> |
| <code>\fontdimen</code> | <code>\بعد قلم</code> |
| <code>\fontencoding</code> | <code>\رمز یه قلم</code> |
| <code>\fontfamily</code> | <code>\فامیل قلم</code> |
| <code>\fontname</code> | <code>\نام قلم</code> |

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Command in T_EX or L^AT_EX Equivalent Persian Command

| | |
|------------------------------|-----------------------------------|
| <code>\fontseries</code> | <code>\شمايل قلم</code> |
| <code>\fontshape</code> | <code>\شكل قلم</code> |
| <code>\fontsize</code> | <code>\اندازه قلم</code> |
| <code>\footheight</code> | <code>\بلنداي پايين صفحه</code> |
| <code>\footins</code> | <code>\درج زيرونويس</code> |
| <code>\footnote</code> | <code>\زيرونويس</code> |
| <code>\footnotemark</code> | <code>\علامت زيرونويس</code> |
| <code>\footnoterule</code> | <code>\خط زيرونويس</code> |
| <code>\footnotesep</code> | <code>\فاصله تازيرونويس</code> |
| <code>\footnotesize</code> | <code>\اندازه زيرونويس</code> |
| <code>\footnotetext</code> | <code>\متن زيرونويس</code> |
| <code>\footskip</code> | <code>\فاصله تا پايين صفحه</code> |
| <code>\frame</code> | <code>\فريم</code> |
| <code>\framebox</code> | <code>\كادر با خط</code> |
| <code>\frenchspacing</code> | <code>\فواصل يكنواخت لاتين</code> |
| <code>\frontmatter</code> | <code>\مطلب پيش</code> |
| <code>\futurelet</code> | <code>\بعد بگذار</code> |
| <code>\@gobble</code> | <code>\@خور حريصانه</code> |
| <code>\@gobbletwo</code> | <code>\@خور حريصانه دو</code> |
| <code>\@gobblefour</code> | <code>\@خور حريصانه چهار</code> |
| <code>\@gtempa</code> | <code>\@عاقبت آ</code> |
| <code>\@gtempb</code> | <code>\@عاقبت ب</code> |
| <code>\gdef</code> | <code>\ترع</code> |
| <code>\GenericInfo</code> | <code>\الگوی اطلاع</code> |
| <code>\GenericWarning</code> | <code>\الگوی هشدار</code> |
| <code>\GenericError</code> | <code>\الگوی خطا</code> |
| <code>\global</code> | <code>\عام</code> |
| <code>\globaldefs</code> | <code>\تعريف عام</code> |
| <code>\glossary</code> | <code>\لغت نامه</code> |
| <code>\glossaryentry</code> | <code>\فقره فرهنگ</code> |
| <code>\goodbreak</code> | <code>\خوش شکن</code> |
| <code>\graphpaper</code> | <code>\كاغذ گراف</code> |
| <code>\guillemotleft</code> | <code>\گيومه چپ</code> |
| <code>\guillemotright</code> | <code>\گيومه راست</code> |
| <code>\guilsinglleft</code> | <code>\گيومه تكي چپ</code> |
| <code>\guilsinglright</code> | <code>\گيومه تكي راست</code> |
| <code>\halign</code> | <code>\رديف ا</code> |
| <code>\hang</code> | <code>\بروتو</code> |
| <code>\hangafter</code> | <code>\بعد از سطر</code> |
| <code>\hangindent</code> | <code>\تورفتگی ثابت</code> |

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Command in T_EX or L^AT_EX Equivalent Persian Command

| | |
|--------------------------------|-------------------------------------|
| <code>\hbadness</code> | <code>\بدنمایی</code> |
| <code>\hbox</code> | <code>\کادرا</code> |
| <code>\headheight</code> | <code>\بلندای سرصفحه</code> |
| <code>\headsep</code> | <code>\فاصله از سرصفحه</code> |
| <code>\headtoname</code> | <code>\سربه نام</code> |
| <code>\heartsuit</code> | <code>\دل</code> |
| <code>\height</code> | <code>\بلندا</code> |
| <code>\hfil</code> | <code>\پرا</code> |
| <code>\hfill</code> | <code>\پرا</code> |
| <code>\hfilneg</code> | <code>\رفع پرا</code> |
| <code>\hfuzz</code> | <code>\پرزاقی</code> |
| <code>\hideskip</code> | <code>\فاصله مخفی</code> |
| <code>\hidewidth</code> | <code>\عرض پنهان</code> |
| <code>\hline</code> | <code>\خط پر</code> |
| <code>\hoffset</code> | <code>\حاشیه</code> |
| <code>\holdinginserts</code> | <code>\حفظ درج</code> |
| <code>\hrboxsep</code> | <code>\فاصله اگر د</code> |
| <code>\hrule</code> | <code>\خط</code> |
| <code>\hrulefill</code> | <code>\پر خط</code> |
| <code>\hsize</code> | <code>\طول سطر</code> |
| <code>\hskip</code> | <code>\فاصله</code> |
| <code>\hspace</code> | <code>\فضای</code> |
| <code>\hss</code> | <code>\هر دوا</code> |
| <code>\ht</code> | <code>\ارتفاع</code> |
| <code>\huge</code> | <code>\بزرگ</code> |
| <code>\Huge</code> | <code>\بزرگ تر</code> |
| <code>\hyperlink</code> | <code>\ابر پیوند</code> |
| <code>\hypersetup</code> | <code>\بارگذاری ابر</code> |
| <code>\hypertarget</code> | <code>\هدف ابر</code> |
| <code>\hyphenation</code> | <code>\تیره بندی</code> |
| <code>\hyphenchar</code> | <code>\نویسه تیره</code> |
| <code>\hyphenpenalty</code> | <code>\جریمه تیره بندی</code> |
| <code>\@ifclassloaded</code> | <code>\@گر کلاس فراخوانی شده</code> |
| <code>\@ifdefinable</code> | <code>\@گر ترشدنی</code> |
| <code>\@ifnextchar</code> | <code>\@گر نویسه بعدی</code> |
| <code>\@ifpackageloaded</code> | <code>\@گر سبک فراخوانی شده</code> |
| <code>\@ifstar</code> | <code>\@گر ستاره</code> |
| <code>\@ifundefined</code> | <code>\@گر تعریف نشده</code> |
| <code>\if</code> | <code>\گر</code> |
| <code>\if@tempswa</code> | <code>\گر@سواقت آ</code> |

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| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|--|
| <code>\ifcase</code> | \گرا ^ن واع |
| <code>\ifcat</code> | \گ ^ر رده |
| <code>\ifdefined</code> | \گ ^ر تعریف شده |
| <code>\ifdim</code> | \گ ^ر بعد |
| <code>\ifeof</code> | \گ ^ر ته پرونده |
| <code>\iff</code> | \گ ^ر |
| <code>\iffalse</code> | \گ ^ر نا درست |
| <code>\IfFileExists</code> | \گ ^ر پرونده موجود |
| <code>\ifhbox</code> | \گ ^ر کا ^د را |
| <code>\ifhmode</code> | \گ ^ر حالت ا |
| <code>\ifinner</code> | \گ ^ر درونی |
| <code>\ifmmode</code> | \گ ^ر حالت ریاضی |
| <code>\ifnum</code> | \گ ^ر عدد |
| <code>\ifodd</code> | \گ ^ر فرد |
| <code>\ifthenelse</code> | \گ ^ر آنگاه دیگر |
| <code>\iftrue</code> | \گ ^ر درست |
| <code>\ifvbox</code> | \گ ^ر کا ^د رو |
| <code>\ifvmode</code> | \گ ^ر حالت و |
| <code>\ifvoid</code> | \گ ^ر تهی |
| <code>\ifx</code> | \گ ^ر تام |
| <code>\ignorespaces</code> | \فاصله خالی را ندیده بگیر |
| <code>\immediate</code> | \فوری |
| <code>\include</code> | \شامل |
| <code>\includegraphics</code> | \درج تصویر |
| <code>\includeonly</code> | \مشمولین |
| <code>\indent</code> | \تورفتگی |
| <code>\index</code> | \درنمایه |
| <code>\indexentry</code> | \استعلام |
| <code>\indexname</code> | \عنوان نمایه |
| <code>\indexspace</code> | \فاصله رهنما |
| <code>\input</code> | \ورودی |
| <code>\InputIfFileExists</code> | \ورود پرونده گ ^ر موجود |
| <code>\inputlineno</code> | \شماره سطر ورودی |
| <code>\insert</code> | \درج |
| <code>\insertpenalties</code> | \ج ^ر یمه درج |
| <code>\interfootnotelinepenalty</code> | \ج ^ر یمه بین سطرهای زیرنویس |
| <code>\interdisplaylinepenalty</code> | \ج ^ر یمه بین سطرهای نمایش |
| <code>\interlinepenalty</code> | \ج ^ر یمه بین سطرها |
| <code>\intertext</code> | \متن داخلی |
| <code>\intertextsep</code> | \فاصله شناور در متن |

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| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|--------------------------------|
| <code>\invisible</code> | <code>\مخفی</code> |
| <code>\itdefault</code> | <code>\پیش فرض ای</code> |
| <code>\itshape</code> | <code>\شکل ایتالیک</code> |
| <code>\item</code> | <code>\فقره</code> |
| <code>\itemindent</code> | <code>\تورفتگی فقره</code> |
| <code>\itemsep</code> | <code>\فاصله فقره</code> |
| <code>\iterate</code> | <code>\تکرار کن</code> |
| <code>\itshape</code> | <code>\شکل ای</code> |
| <code>\jobname</code> | <code>\نام کار</code> |
| <code>\jot</code> | <code>\قلب</code> |
| <code>\kern</code> | <code>\دوری</code> |
| <code>\kill</code> | <code>\الگو</code> |
| <code>\label</code> | <code>\برچسب</code> |
| <code>\labelenumi</code> | <code>\برچسب شمارش یک</code> |
| <code>\labelenumii</code> | <code>\برچسب شمارش دو</code> |
| <code>\labelenumiii</code> | <code>\برچسب شمارش سه</code> |
| <code>\labelenumiv</code> | <code>\برچسب شمارش چهار</code> |
| <code>\labelitemi</code> | <code>\برچسب فقره یک</code> |
| <code>\labelitemii</code> | <code>\برچسب فقره دو</code> |
| <code>\labelitemiii</code> | <code>\برچسب فقره سه</code> |
| <code>\labelitemiv</code> | <code>\برچسب فقره چهار</code> |
| <code>\labelsep</code> | <code>\فاصله از برچسب</code> |
| <code>\labelwidth</code> | <code>\پهنای برچسب</code> |
| <code>\language</code> | <code>\زبان</code> |
| <code>\large</code> | <code>\درشت</code> |
| <code>\Large</code> | <code>\درشت تر</code> |
| <code>\LARGE</code> | <code>\درشت درشت</code> |
| <code>\lastbox</code> | <code>\آخرین کادر</code> |
| <code>\lastkern</code> | <code>\آخرین دوری</code> |
| <code>\lastpenalty</code> | <code>\آخرین جریمه</code> |
| <code>\lastskip</code> | <code>\آخرین فاصله</code> |
| <code>\LaTeX</code> | <code>\لاتک</code> |
| <code>\LaTeXe</code> | <code>\لاتک ای</code> |
| <code>\lccode</code> | <code>\کدکوچک</code> |
| <code>\ldots</code> | <code>\نقاط خ</code> |
| <code>\leaders</code> | <code>\نشانگر</code> |
| <code>\leavevmode</code> | <code>\ترک و</code> |
| <code>\left</code> | <code>\چپ</code> |
| <code>\leftmargin</code> | <code>\حاشیه چپ</code> |
| <code>\leftmargini</code> | <code>\حاشیه چپ یک</code> |

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| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|-----------------------------------|
| <code>\leftmarginii</code> | <code>\حاشیه چپ دو</code> |
| <code>\leftmarginiii</code> | <code>\حاشیه چپ سه</code> |
| <code>\leftmarginiv</code> | <code>\حاشیه چپ چهار</code> |
| <code>\leftmarginv</code> | <code>\حاشیه چپ پنج</code> |
| <code>\leftmarginvi</code> | <code>\حاشیه چپ شش</code> |
| <code>\leftmark</code> | <code>\علامت چپ</code> |
| <code>\leftpageskip</code> | <code>\کادر تا چپ</code> |
| <code>\leftskip</code> | <code>\فاصله ابتدای سطر</code> |
| <code>\let</code> | <code>\بگذار</code> |
| <code>\line</code> | <code>\سطر</code> |
| <code>\linebreak</code> | <code>\سطر شکن</code> |
| <code>\linepenalty</code> | <code>\جریمه سطر</code> |
| <code>\lineskip</code> | <code>\فاصله سطرها</code> |
| <code>\lineskiplimit</code> | <code>\حد فاصله سطر</code> |
| <code>\linespread</code> | <code>\کشش فاصله سطر</code> |
| <code>\linethickness</code> | <code>\ضخامت خط</code> |
| <code>\linewidth</code> | <code>\پهنای سطر</code> |
| <code>\listfigurename</code> | <code>\عنوان فهرست اشکال</code> |
| <code>\listfiles</code> | <code>\لیست پرونده ها</code> |
| <code>\listoffigures</code> | <code>\فهرست اشکال</code> |
| <code>\listoftables</code> | <code>\فهرست جداول</code> |
| <code>\listparindent</code> | <code>\تورفتگی بند لیست</code> |
| <code>\listtablename</code> | <code>\عنوان فهرست جداول</code> |
| <code>\LoadClass</code> | <code>\بارکن طبقه</code> |
| <code>\LoadClassWithOptions</code> | <code>\بارکن طبقه با گزینه</code> |
| <code>\location</code> | <code>\مکان</code> |
| <code>\long</code> | <code>\بلند</code> |
| <code>\loop</code> | <code>\حلقه</code> |
| <code>\looseness</code> | <code>\گسیختگی</code> |
| <code>\lower</code> | <code>\انتقال بیابین</code> |
| <code>\@makeother</code> | <code>\@دیگر</code> |
| <code>\@m</code> | <code>\@زار</code> |
| <code>\@M</code> | <code>\ده@زار</code> |
| <code>\@Mi</code> | <code>\ده@زاریک</code> |
| <code>\@Mii</code> | <code>\ده@زار دو</code> |
| <code>\@Miii</code> | <code>\ده@زار سه</code> |
| <code>\@Miv</code> | <code>\ده@زار چهار</code> |
| <code>\@MM</code> | <code>\بیس@زار</code> |
| <code>\m@ne</code> | <code>\من@</code> |
| <code>\mag</code> | <code>\بزرگ نمایی</code> |

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Command in T_EX or L^AT_EX Equivalent Persian Command

| | |
|-------------------------------|--------------------|
| <code>\magstep</code> | \گام |
| <code>\magstephalf</code> | \نیم گام |
| <code>\mainmatter</code> | \مطلب اصلی |
| <code>\makeatletter</code> | \ات حرف |
| <code>\makeatother</code> | \ات دیگر |
| <code>\makebox</code> | \کادر بی خط |
| <code>\makeglossary</code> | \ساخت فرهنگ |
| <code>\makeindex</code> | \تهیه نمایه |
| <code>\makelabel</code> | \ساخت برچسب |
| <code>\makelabels</code> | \ساخت برچسب ها |
| <code>\MakeLowercase</code> | \ساخت حروف کوچک |
| <code>\maketitle</code> | \عنوان ساز |
| <code>\MakeUppercase</code> | \ساخت حروف بزرگ |
| <code>\marginpar</code> | \در حاشیه |
| <code>\marginparpush</code> | \فاصله دو حاشیه |
| <code>\marginparsep</code> | \فاصله تا حاشیه |
| <code>\marginparwidth</code> | \پهنای حاشیه |
| <code>\mark</code> | \علامت |
| <code>\markboth</code> | \علامت در دو طرف |
| <code>\markright</code> | \علامت در راست |
| <code>\mathaccent</code> | \اعراب ریاضی |
| <code>\mathchar</code> | \نویسه ریاضی |
| <code>\mathchardef</code> | \تعریف نویسه ریاضی |
| <code>\mathcode</code> | \کد ریاضی |
| <code>\mathrm</code> | \ریاضی رومن |
| <code>\maxdeadcycles</code> | \حد اکثر تکرار |
| <code>\maxdepth</code> | \حد اکثر عمق صفحه |
| <code>\maxdimen</code> | \بعد بیشین |
| <code>\mbox</code> | \کادر بی |
| <code>\mdseries</code> | \شمایل نازک |
| <code>\meaning</code> | \معنا |
| <code>\mediumseries</code> | \نازک |
| <code>\medmuskip</code> | \فاصله متوسط ریاضی |
| <code>\medskip</code> | \پرش متوسط |
| <code>\medskipamount</code> | \مقدار پرش متوسط |
| <code>\medspace</code> | \فضای متوسط |
| <code>\message</code> | \پیام |
| <code>\MessageBreak</code> | \پیام شکن |
| <code>\minrowclearance</code> | \حد اقل فاصله ردیف |
| <code>\mkern</code> | \دوری ریاضی |

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Command in T_EX or L^AT_EX Equivalent Persian Command

| | |
|-----------------|--------------------|
| \month | \ماه |
| \moveleft | \انتقال بچپ |
| \moveright | \انتقال براست |
| \mskip | \فاصله ریاضی |
| \m@th | \ری@ضی |
| \multicolumn | \چندستونی |
| \multiply | \ضرب |
| \multispan | \چندادغام |
| \muskip | \میوفاصله |
| \muskipdef | \تعریف میوفاصله |
| \@namedef | \@ترنام |
| \@nameuse | \@کاربردنام |
| \@ne | \یک@ |
| \name | \نام |
| \natural | \طبیعی |
| \nearrow | \باریک |
| \nearrower | \باریکتر |
| \NeedsTeXFormat | \شکلبندی مورد نیاز |
| \neg | \منفی |
| \negmedspace | \فضای متوسط منفی |
| \negthickspace | \فضای ضخیم منفی |
| \negthinspace | \دوری کوچک منفی |
| \newboolean | \بولی نو |
| \newbox | \کادر جدید |
| \newcommand | \فرمان نو |
| \newcount | \شمار جدید |
| \newcounter | \شمارنده جدید |
| \newdimen | \بعد جدید |
| \newenvironment | \محیط نو |
| \newfam | \خانواده جدید |
| \newfont | \قلم نو |
| \newhelp | \کمک جدید |
| \newif | \اگر جدید |
| \newinsert | \درج جدید |
| \newlabel | \برچسب جدید |
| \newlength | \تعریف بعد جدید |
| \newline | \سطر جدید |
| \newlinechar | \نویسه سطر جدید |
| \newmuskip | \میوفاصله جدید |
| \newpage | \صفحه جدید |

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Command in T_EX or L^AT_EX Equivalent Persian Command

| | |
|-----------------------------------|-----------------------------------|
| <code>\newread</code> | <code>\بخوان جدید</code> |
| <code>\newsavebox</code> | <code>\تعریف کادر جدید</code> |
| <code>\newskip</code> | <code>\فاصله جدید</code> |
| <code>\newtheorem</code> | <code>\قضیه جدید</code> |
| <code>\newtoks</code> | <code>\جزء جدید</code> |
| <code>\newwrite</code> | <code>\بنویس جدید</code> |
| <code>\noalign</code> | <code>\بی ردیف</code> |
| <code>\nobreak</code> | <code>\نشکن</code> |
| <code>\nobreakspace</code> | <code>\فاصله نشکستی</code> |
| <code>\nocite</code> | <code>\بدون سند</code> |
| <code>\noexpand</code> | <code>\نگستر</code> |
| <code>\nofiles</code> | <code>\بدون پرونده</code> |
| <code>\noindent</code> | <code>\بدون تورفتگی</code> |
| <code>\nointerlineskip</code> | <code>\بی فاصله سطر</code> |
| <code>\nolimits</code> | <code>\بدون حد</code> |
| <code>\nolinebreak</code> | <code>\سطر نشکن</code> |
| <code>\nonstopmode</code> | <code>\پردازش بدون توقف</code> |
| <code>\nonfrenchspacing</code> | <code>\فواصل متعارف لاتین</code> |
| <code>\nonumber</code> | <code>\بدون شماره</code> |
| <code>\nopagebreak</code> | <code>\صفحه نشکن</code> |
| <code>\normalbaselines</code> | <code>\کرسیهای متعارف</code> |
| <code>\normalbaselineskip</code> | <code>\فاصله کرسی متعارف</code> |
| <code>\normalcolor</code> | <code>\رنگ عادی</code> |
| <code>\normalfont</code> | <code>\قلم عادی</code> |
| <code>\normallineskip</code> | <code>\فاصله سطر متعارف</code> |
| <code>\normallineskiplimit</code> | <code>\حد فاصله سطر متعارف</code> |
| <code>\normalmarginpar</code> | <code>\در حاشیه عادی</code> |
| <code>\normalsize</code> | <code>\اندازه عادی</code> |
| <code>\notag</code> | <code>\بدون اتیکت</code> |
| <code>\null</code> | <code>\نول</code> |
| <code>\nullfont</code> | <code>\قلم تهی</code> |
| <code>\number</code> | <code>\عدد</code> |
| <code>\numberline</code> | <code>\سطر عددی</code> |
| <code>\numberwithin</code> | <code>\شماره مطابق</code> |
| <code>\@evenfoot</code> | <code>\پایین صفحه زوج</code> |
| <code>\@evenhead</code> | <code>\بالای صفحه زوج</code> |
| <code>\@oddfoot</code> | <code>\پایین صفحه فرد</code> |
| <code>\@oddhead</code> | <code>\بالای صفحه فرد</code> |
| <code>\@outeqntrue</code> | <code>\شماره بیرون درست</code> |
| <code>\@outeqnfalse</code> | <code>\شماره بیرون نادرست</code> |

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Command in T_EX or L^AT_EX Equivalent Persian Command

| | |
|------------------------------------|-------------------------------------|
| <code>\obeylines</code> | <code>\سطربه سطر</code> |
| <code>\obeyspaces</code> | <code>\فضا فعال</code> |
| <code>\oddsidemargin</code> | <code>\حاشیه فرد</code> |
| <code>\offinterlineskip</code> | <code>\سطور بی فاصله</code> |
| <code>\omit</code> | <code>\حذف</code> |
| <code>\@onlypreamble</code> | <code>\@تنها در پیش در آمد</code> |
| <code>\onecolumn</code> | <code>\یک ستون</code> |
| <code>\onlynotes</code> | <code>\تنها یادداشت ها</code> |
| <code>\onlyslides</code> | <code>\تنها اسلایدها</code> |
| <code>\openin</code> | <code>\باز کن ورودی</code> |
| <code>\openout</code> | <code>\باز کن خروجی</code> |
| <code>\OptionNotUsed</code> | <code>\گزینه مصرف نشده</code> |
| <code>\or</code> | <code>\یا</code> |
| <code>\outer</code> | <code>\برونی</code> |
| <code>\output</code> | <code>\صفحه بندی</code> |
| <code>\outputpenalty</code> | <code>\جریمه صفحه بندی</code> |
| <code>\overfullrule</code> | <code>\علامت سرریز</code> |
| <code>\@preamblecmds</code> | <code>\@فرمان های پیش در آمد</code> |
| <code>\p@</code> | <code>\@پو</code> |
| <code>\PackageError</code> | <code>\خطای سبک</code> |
| <code>\PackageInfo</code> | <code>\اطلاع سبک</code> |
| <code>\PackageWarning</code> | <code>\هشدار سبک</code> |
| <code>\PackageWarningNoLine</code> | <code>\هشدار سبک بی سطر</code> |
| <code>\pagebreak</code> | <code>\صفحه شکن</code> |
| <code>\pagecolor</code> | <code>\رنگ صفحه</code> |
| <code>\pagedepth</code> | <code>\عمق صفحه</code> |
| <code>\pagefilllstretch</code> | <code>\کشش پرر صفحه</code> |
| <code>\pagefillstretch</code> | <code>\کشش پرر صفحه</code> |
| <code>\pagefilstretch</code> | <code>\کشش پرر صفحه</code> |
| <code>\pagegoal</code> | <code>\غایت صفحه</code> |
| <code>\pagename</code> | <code>\نام صفحه</code> |
| <code>\pagenumbering</code> | <code>\شماره گذاری صفحه</code> |
| <code>\pageref</code> | <code>\ارجوع صفحه</code> |
| <code>\pagerulewidth</code> | <code>\ضخامت خط صفحه</code> |
| <code>\pageshrink</code> | <code>\فشرده گی صفحه</code> |
| <code>\pagestretch</code> | <code>\کشش صفحه</code> |
| <code>\pagestyle</code> | <code>\سبک صفحه</code> |
| <code>\pagetotal</code> | <code>\جمع صفحه</code> |
| <code>\paperheight</code> | <code>\بلندای کاغذ</code> |
| <code>\paperwidth</code> | <code>\پهنای کاغذ</code> |

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Command in T_EX or L^AT_EX Equivalent Persian Command

| | |
|-----------------------------------|------------------------------------|
| <code>\par</code> | <code>\بند</code> |
| <code>\paragraph</code> | <code>\پاراگراف</code> |
| <code>\parallel</code> | <code>\موازی</code> |
| <code>\parbox</code> | <code>\کادرپار</code> |
| <code>\parfillskip</code> | <code>\فاصله ته بند</code> |
| <code>\parindent</code> | <code>\تورفتگی سر بند</code> |
| <code>\parsep</code> | <code>\فاصله بند لیست</code> |
| <code>\parshape</code> | <code>\شکل بند</code> |
| <code>\parskip</code> | <code>\فاصله بند</code> |
| <code>\part</code> | <code>\بخش</code> |
| <code>\partname</code> | <code>\عنوان بخش</code> |
| <code>\partopsep</code> | <code>\فاصله بالای لیست بند</code> |
| <code>\PassOptionToClass</code> | <code>\ارسال گزینه به کلاس</code> |
| <code>\PassOptionToPackage</code> | <code>\ارسال گزینه به پکیج</code> |
| <code>\path</code> | <code>\مسیر</code> |
| <code>\patterns</code> | <code>\الگوها</code> |
| <code>\pausing</code> | <code>\مکث</code> |
| <code>\penalty</code> | <code>\جریمه</code> |
| <code>\phantom</code> | <code>\غیب</code> |
| <code>\poptabs</code> | <code>\الگوی قبلی</code> |
| <code>\postdisplaypenalty</code> | <code>\جریمه پس نمایش</code> |
| <code>\predisplaydirection</code> | <code>\جهت پیش نمایش</code> |
| <code>\predisplaypenalty</code> | <code>\جریمه پیش نمایش</code> |
| <code>\predisplaysize</code> | <code>\اندازه پیش نمایش</code> |
| <code>\pretolerance</code> | <code>\پیش حد بدنمایی</code> |
| <code>\prevdepth</code> | <code>\عمق قبلی</code> |
| <code>\prevgraf</code> | <code>\بند قبلی</code> |
| <code>\printindex</code> | <code>\نمایه در اینجا</code> |
| <code>\ProcessOptions</code> | <code>\پردازش گزینه ها</code> |
| <code>\protect</code> | <code>\تأمین</code> |
| <code>\providecommand</code> | <code>\تهیه فرمان</code> |
| <code>\ProvidesClass</code> | <code>\آماده سازی طبقه</code> |
| <code>\ProvidesFile</code> | <code>\آماده سازی پرونده</code> |
| <code>\ProvidesPackage</code> | <code>\آماده سازی سبک</code> |
| <code>\pushtabs</code> | <code>\ثبت الگو</code> |
| <code>\quad</code> | <code>\کوادر</code> |
| <code>\qqquad</code> | <code>\کو کوادر</code> |
| <code>\@outputpagerestore</code> | <code>\@بازآیی خروج صفحه</code> |
| <code>\radical</code> | <code>\رادیکال</code> |
| <code>\raggedbottom</code> | <code>\پایین بی تنظیم</code> |

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| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|--------------------------------------|
| <code>\raggedleft</code> | <code>\تنظیم از راست</code> |
| <code>\raggedright</code> | <code>\تنظیم از چپ</code> |
| <code>\raise</code> | <code>\انتقال ببالا</code> |
| <code>\raisebox</code> | <code>\بالا بر</code> |
| <code>\raisetag</code> | <code>\ترفع اتيکت</code> |
| <code>\rangle</code> | <code>\زاويه ر</code> |
| <code>\rceil</code> | <code>\سقف ر</code> |
| <code>\read</code> | <code>\بخوان</code> |
| <code>\ref</code> | <code>\رجوع</code> |
| <code>\reflectbox</code> | <code>\کادر قرينه</code> |
| <code>\refname</code> | <code>\عنوان مراجع</code> |
| <code>\refstepcounter</code> | <code>\گام شمارنده مرجع</code> |
| <code>\relax</code> | <code>\راحت</code> |
| <code>\removelastskip</code> | <code>\رفع آخرين فاصله</code> |
| <code>\renewcommand</code> | <code>\فرمان از نو</code> |
| <code>\renewenvironment</code> | <code>\محيط از نو</code> |
| <code>\repeat</code> | <code>\از نو</code> |
| <code>\RequirePackage</code> | <code>\سبک مورد نیاز</code> |
| <code>\RequirePackageWithOptions</code> | <code>\سبک مورد نیاز با گزینه</code> |
| <code>\resizebox</code> | <code>\کادر کشیده</code> |
| <code>\reversemarginpar</code> | <code>\در حاشیه معکوس</code> |
| <code>\rfloor</code> | <code>\کف ر</code> |
| <code>\right</code> | <code>\راست</code> |
| <code>\rightmargin</code> | <code>\حاشیه راست</code> |
| <code>\rightmark</code> | <code>\علامت راست</code> |
| <code>\rightpageskip</code> | <code>\کادر تا راست</code> |
| <code>\rightskip</code> | <code>\فاصله انتهای سطر</code> |
| <code>\rmdefault</code> | <code>\رومن عادی</code> |
| <code>\rmfamily</code> | <code>\فامیل رومن</code> |
| <code>\Roman</code> | <code>\رومن بزرگ</code> |
| <code>\roman</code> | <code>\رومن کوچک</code> |
| <code>\romannumeral</code> | <code>\عدد رومی</code> |
| <code>\rotatebox</code> | <code>\کادر چرخان</code> |
| <code>\rowcolor</code> | <code>\رنگ ردیف</code> |
| <code>\rule</code> | <code>\خط</code> |
| <code>\@secondoftwo</code> | <code>\@دومی ازدو</code> |
| <code>\@spaces</code> | <code>\@فضاها</code> |
| <code>\samepage</code> | <code>\همین صفحه</code> |
| <code>\savebox</code> | <code>\مقدار کادر</code> |
| <code>\sbox</code> | <code>\مقدار</code> |

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| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|-----------------------------------|
| <code>\scalebox</code> | <code>\کادر اندازه</code> |
| <code>\sdefault</code> | <code>\پیش فرض تمام بزرگ</code> |
| <code>\scshape</code> | <code>\شکل تمام بزرگ</code> |
| <code>\scriptfont</code> | <code>\قلم توان</code> |
| <code>\scriptscriptfont</code> | <code>\قلم توان توان</code> |
| <code>\scriptscriptstyle</code> | <code>\سبک ته نوشت ته نوشت</code> |
| <code>\scriptsize</code> | <code>\اندازه پانویس</code> |
| <code>\scriptstyle</code> | <code>\سبک ته نوشت</code> |
| <code>\scrollmode</code> | <code>\پردازش گذاری</code> |
| <code>\section</code> | <code>\قسمت</code> |
| <code>\secdef</code> | <code>\تعریف قسمت</code> |
| <code>\see</code> | <code>\ببینید</code> |
| <code>\seealso</code> | <code>\نیز ببینید</code> |
| <code>\seename</code> | <code>\نام ببینید</code> |
| <code>\selectfont</code> | <code>\قلم بردار</code> |
| <code>\setboolean</code> | <code>\تنظیم بولی</code> |
| <code>\setbox</code> | <code>\در کادر</code> |
| <code>\setcounter</code> | <code>\مقدار شمارنده</code> |
| <code>\setkeys</code> | <code>\مقدار کلیدها</code> |
| <code>\setlength</code> | <code>\مقدار بعد</code> |
| <code>\setminus</code> | <code>\تنظیم منها</code> |
| <code>\SetSymbolFont</code> | <code>\تعریف قلم علائم</code> |
| <code>\settodepth</code> | <code>\تنظیم به عمق</code> |
| <code>\settoheight</code> | <code>\تنظیم به ارتفاع</code> |
| <code>\settowidth</code> | <code>\مقدار بعد به اندازه</code> |
| <code>\sfcode</code> | <code>\کد ضریب فاصله</code> |
| <code>\sfdefault</code> | <code>\پیش فرض س ف</code> |
| <code>\sffamily</code> | <code>\فامیل سن سریف</code> |
| <code>\shadowbox</code> | <code>\کادر سایه دار</code> |
| <code>\sharp</code> | <code>\تیز</code> |
| <code>\shipout</code> | <code>\بفرست</code> |
| <code>\shortstack</code> | <code>\پشته کوتاه</code> |
| <code>\show</code> | <code>\نمایش بده</code> |
| <code>\showbox</code> | <code>\نمایش بده کادر</code> |
| <code>\showboxbreadth</code> | <code>\میزان نمایش کادر</code> |
| <code>\showboxdepth</code> | <code>\عمق نمایش کادر</code> |
| <code>\showlists</code> | <code>\نمایش بده لیستها</code> |
| <code>\showthe</code> | <code>\نمایش بده محتوای</code> |
| <code>\simplefontmode</code> | <code>\حالت ساده قلم</code> |
| <code>\sixt@@n</code> | <code>\شانزد @</code> |

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| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|--------------------------------|
| <code>\skewchar</code> | <code>\نویسه اریب</code> |
| <code>\skip</code> | <code>\فاصله</code> |
| <code>\skip@</code> | <code>@فاصل</code> |
| <code>\skipdef</code> | <code>\تعریف فاصله</code> |
| <code>\sl</code> | <code>\خوابیده</code> |
| <code>\sldefault</code> | <code>\پیش فرض خو</code> |
| <code>\slshape</code> | <code>\شکل خوابیده</code> |
| <code>\sloppy</code> | <code>\راحت چین</code> |
| <code>\slshape</code> | <code>\شمایل خو</code> |
| <code>\small</code> | <code>\کوچک</code> |
| <code>\smallskip</code> | <code>\پرش کوتاه</code> |
| <code>\smallskipamount</code> | <code>\مقدار پرش کوتاه</code> |
| <code>\smash</code> | <code>\کوب</code> |
| <code>\smile</code> | <code>\لبخند</code> |
| <code>\snglftlocatcode</code> | <code>\کدامکان همانطور</code> |
| <code>\space</code> | <code>\فضا</code> |
| <code>\spacefactor</code> | <code>\ضریب فاصله</code> |
| <code>\spaceskip</code> | <code>\فاصله کلمات</code> |
| <code>\spadesuit</code> | <code>\پیک</code> |
| <code>\span</code> | <code>\ادغام</code> |
| <code>\special</code> | <code>\ویژه</code> |
| <code>\splitmaxdepth</code> | <code>\حد اکثر عمق ستون</code> |
| <code>\splittopskip</code> | <code>\فاصله بالای ستون</code> |
| <code>\star</code> | <code>\ستاره</code> |
| <code>\stepcounter</code> | <code>\گام شمارنده</code> |
| <code>\stretch</code> | <code>\کشی</code> |
| <code>\string</code> | <code>\رشته</code> |
| <code>\strut</code> | <code>\شمع</code> |
| <code>\strutbox</code> | <code>\کادر شمع</code> |
| <code>\subitem</code> | <code>\زیر بند</code> |
| <code>\subparagraph</code> | <code>\زیر پاراگراف</code> |
| <code>\subsection</code> | <code>\زیر قسمت</code> |
| <code>\substack</code> | <code>\زیر پشته</code> |
| <code>\subsubitem</code> | <code>\زیر زیر بند</code> |
| <code>\subsubsection</code> | <code>\زیر زیر قسمت</code> |
| <code>\subset</code> | <code>\زیر مجموعه</code> |
| <code>\subseteq</code> | <code>\زیر مجموعه مسا</code> |
| <code>\supereject</code> | <code>\منتهای صفحه</code> |
| <code>\suppressfloats</code> | <code>\حذف مکان شناور</code> |
| <code>\@tempa</code> | <code>@موقت آ</code> |

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

| | |
|---------------------|---------------------|
| \@tempb | \@موقت ب |
| \@tempc | \@موقت پ |
| \@tempd | \@موقت ت |
| \@tempe | \@موقت ث |
| \@tempboxa | \@کادرقت آ |
| \@tempcnta | \@شماقت آ |
| \@tempcntb | \@شماقت ب |
| \@tempdima | \@بعدقت آ |
| \@tempdimb | \@بعدقت ب |
| \@tempdimc | \@بعدقت پ |
| \@tempskipa | \@فاقت آ |
| \@tempskipb | \@فاقت ب |
| \@tempswafalse | \@سواقت آنادرست |
| \@tempswatrue | \@سواقت آدرست |
| \@temptokena | \@جزقت آ |
| \@thefnmark | \انگ زیرنویس |
| \@thirdofthree | \@سومی ازسه |
| \tabbingsep | \فاصله جاگذاری |
| \tabcolsep | \فاصله بین ستونها |
| \tableofcontents | \فهرست مطالب |
| \tablename | \عنوان جدول |
| \tabskip | \فاصله ستونها |
| \tabularnewline | \ته سطر جدول |
| \tag | \اتیکت |
| \telephone | \تلفن |
| \TeX | \تک |
| \text | \متن |
| \textbullet | \گلوله متنی |
| \textfont | \قلم متن |
| \textemdash | \ام دش متنی |
| \textendash | \ان دش متنی |
| \textexclamdown | \تعجب وارونه متنی |
| \textperiodcentered | \نقطه وسط متنی |
| \textquestiondown | \سوال وارونه متنی |
| \textquotedblleft | \نقل چپ متنی دولا |
| \textquotedblright | \نقل راست متنی دولا |
| \textquoteleft | \نقل متنی چپ |
| \textquoteright | \نقل متنی راست |
| \textvisiblespace | \فضای نمایان متنی |
| \textbackslash | \شکافت پشت متنی |

Continued on next page



Command in T_EX or L^AT_EX Equivalent Persian Command

| | |
|--------------------------------|---------------------|
| <code>\textbar</code> | \میلہ متی |
| <code>\textgreater</code> | \بزرگ تر متی |
| <code>\textless</code> | \کمتر متی |
| <code>\textbf</code> | \متن سیاه |
| <code>\textcircled</code> | \مدور متی |
| <code>\textcolor</code> | \رنگ متن |
| <code>\textcompwordmark</code> | \نشان کلمہ مرکب متن |
| <code>\textfloatsep</code> | \فاصلہ متن و شناور |
| <code>\textfraction</code> | \نسبت متن |
| <code>\textheight</code> | \بلندای متن |
| <code>\textindent</code> | \متن تورفته |
| <code>\textit</code> | \متن ایتالیک |
| <code>\textmd</code> | \متن نازک |
| <code>\textnormal</code> | \متن نرمال |
| <code>\textregistered</code> | \ثبّی متی |
| <code>\textrm</code> | \متن رومن |
| <code>\textsc</code> | \متن تمام بزرگ |
| <code>\textsf</code> | \متن سن سریف |
| <code>\textsl</code> | \متن خوابیده |
| <code>\textstyle</code> | \سبک متی |
| <code>\textsuperscript</code> | \بالا نویس متی |
| <code>\texttrademark</code> | \علامت تجاری متی |
| <code>\texttt</code> | \متن تایپ |
| <code>\textup</code> | \متن ایستاده |
| <code>\textwidth</code> | \پهنای متن |
| <code>\thanks</code> | \زیر نویس عنوان |
| <code>\the</code> | \محتوای |
| <code>\thempfn</code> | \این زیر نویس |
| <code>\thicklines</code> | \خط‌ها ضخیم |
| <code>\thickmuskip</code> | \فاصلہ زیاد ریاضی |
| <code>\thinmuskip</code> | \فاصلہ کم ریاضی |
| <code>\thickspace</code> | \فضا ضخیم |
| <code>\thinlines</code> | \خط‌ها نازک |
| <code>\thinspace</code> | \دوری کوچک |
| <code>\thisfancy page</code> | \این صفحہ تجملی |
| <code>\thispage style</code> | \سبک این صفحہ |
| <code>\thr@@</code> | \سہ @ |
| <code>\tilde</code> | \مد |
| <code>\tiny</code> | \ظریف |
| <code>\time</code> | \زمان |

Continued on next page



| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|----------------------------|
| <code>\times</code> | \ضرب در |
| <code>\title</code> | \عنوان |
| <code>\to</code> | \به |
| <code>\today</code> | \امروز |
| <code>\toks</code> | \جزء |
| <code>\toksdef</code> | \تعریف جزء |
| <code>\tolerance</code> | \حد بد نمایی |
| <code>\top</code> | \بالا |
| <code>\topfigrule</code> | \خط بالای شناور |
| <code>\topfraction</code> | \نسبت بالا |
| <code>\topmargin</code> | \حاشیه بالا |
| <code>\topmark</code> | \علامت بالا |
| <code>\toppageskip</code> | \کادر تا بالا |
| <code>\topsep</code> | \فاصله بالای لیست |
| <code>\topskip</code> | \فاصله بالا |
| <code>\totalheight</code> | \بلندای کل |
| <code>\tracingall</code> | \ردگیری کل |
| <code>\tracingcommands</code> | \ردگیری فرامین |
| <code>\tracinglostchars</code> | \ردگیری حروف |
| <code>\tracingmacros</code> | \ردگیری ماکروها |
| <code>\tracingonline</code> | \ردگیری نمایشی |
| <code>\tracingoutput</code> | \ردگیری صفحه بندی |
| <code>\tracingpages</code> | \ردگیری صفحات |
| <code>\tracingparagraphs</code> | \ردگیری بندها |
| <code>\tracingrestores</code> | \ردگیری بازگردانی |
| <code>\tracingstats</code> | \ردگیری آمارها |
| <code>\triangle</code> | \مثلث |
| <code>\ttdefault</code> | \پیش فرض تایپ |
| <code>\ttfamily</code> | \فامیل تایپ |
| <code>\tw@</code> | \دو@ |
| <code>\twocolumn</code> | \دو ستون |
| <code>\typein</code> | \در نویسی |
| <code>\typeout</code> | \بر نویسی |
| <code>\uccode</code> | \کد بزرگ |
| <code>\uchyph</code> | \تیره بندی بزرگ |
| <code>\undefined</code> | \تعریف نشده |
| <code>\underline</code> | \زیر خط |
| <code>\unhbox</code> | \بی کادر |
| <code>\unhcopy</code> | \بی کپی |
| <code>\unitlength</code> | \واحد طول |

Continued on next page



| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|-------------------------------|
| <code>\unkern</code> | <code>\برگشت دوری</code> |
| <code>\unpenalty</code> | <code>\برگشت جریمه</code> |
| <code>\unskip</code> | <code>\برگشت فاصله</code> |
| <code>\unvbox</code> | <code>\بی کادرو</code> |
| <code>\unvcopy</code> | <code>\بی کپی و</code> |
| <code>\updefault</code> | <code>\پیش فرض ایستاده</code> |
| <code>\upshape</code> | <code>\شکل ایستاده</code> |
| <code>\usebox</code> | <code>\از کادر</code> |
| <code>\usecounter</code> | <code>\باشمارشگر</code> |
| <code>\usefont</code> | <code>\گزینه قلم</code> |
| <code>\usepackage</code> | <code>\سبک لازم</code> |
| <code>\@vobeyspaces</code> | <code>\@فضاهای فعال</code> |
| <code>\@void</code> | <code>\@تهی</code> |
| <code>\vadjust</code> | <code>\تنظیم و</code> |
| <code>\valign</code> | <code>\ردیف و</code> |
| <code>\value</code> | <code>\محتوای شمارنده</code> |
| <code>\vbadness</code> | <code>\بدنمایی و</code> |
| <code>\vbox</code> | <code>\کادرو</code> |
| <code>\vcenter</code> | <code>\کادرو وسط</code> |
| <code>\verb</code> | <code>\همانطور</code> |
| <code>\vfil</code> | <code>\پرو</code> |
| <code>\vfill</code> | <code>\پررو</code> |
| <code>\vfilneg</code> | <code>\رفع پرو</code> |
| <code>\vfuzz</code> | <code>\پرزعمودی</code> |
| <code>\visible</code> | <code>\نمایان</code> |
| <code>\vline</code> | <code>\خط عمود</code> |
| <code>\voffset</code> | <code>\حاشیه و</code> |
| <code>\voidb@x</code> | <code>\ک@درتهی</code> |
| <code>\vpageref</code> | <code>\ارجاع صفحه ع</code> |
| <code>\vrbboxsep</code> | <code>\فاصله وگرد</code> |
| <code>\vref</code> | <code>\ارجاع ع</code> |
| <code>\vrule</code> | <code>\خط و</code> |
| <code>\vsize</code> | <code>\طول صفحه</code> |
| <code>\vskip</code> | <code>\فاصله و</code> |
| <code>\vspace</code> | <code>\فضای و</code> |
| <code>\vsplit</code> | <code>\شکست و</code> |
| <code>\vss</code> | <code>\هر دو و</code> |
| <code>\vtop</code> | <code>\کادرگود</code> |
| <code>\wd</code> | <code>\عرض</code> |
| <code>\whiledo</code> | <code>\مادام بکن</code> |

Continued on next page



| Command in T _E X or L ^A T _E X | Equivalent Persian Command |
|--|---------------------------------|
| <code>\widehat</code> | <code>\کلاه‌پهن</code> |
| <code>\widetilde</code> | <code>\مد‌پهن</code> |
| <code>\widowpenalty</code> | <code>\جریمه‌ته‌بند</code> |
| <code>\width</code> | <code>\پهنا</code> |
| <code>\wlog</code> | <code>\درکارنامه</code> |
| <code>\write</code> | <code>\بنویس</code> |
| <code>\@xobeysp</code> | <code>\@فضای‌لاتین</code> |
| <code>\@xxxii</code> | <code>\سی‌@‌دو</code> |
| <code>\xdef</code> | <code>\ترگع</code> |
| <code>\xleaders</code> | <code>\نشانگر‌گسترشی</code> |
| <code>\xspaceskip</code> | <code>\فاصله‌اضافی‌کلمات</code> |
| <code>\year</code> | <code>\سال</code> |
| <code>\z@</code> | <code>\@فر</code> |
| <code>\z@skip</code> | <code>\@فر‌فاصله</code> |

Table 2: The Equivalent XePersian Commands

| Command in XePersian | Equivalent Persian Command |
|-----------------------------------|-------------------------------------|
| <code>\autofootnoterule</code> | <code>\خط‌زیرنویس‌خودکار</code> |
| <code>\AutoMathsDigits</code> | <code>\اعداد‌فرمول‌ها‌خودکار</code> |
| <code>\DefaultMathsDigits</code> | <code>\اعداد‌فرمول‌ها‌لاتین</code> |
| <code>\deflatinfont</code> | <code>\تعریف‌قلم‌لاتین</code> |
| <code>\defpersianfont</code> | <code>\تعریف‌قلم‌پارسی</code> |
| <code>\hboxL</code> | <code>\کادر‌اچپ</code> |
| <code>\hboxR</code> | <code>\کادر‌راست</code> |
| <code>\keyval@eq@alias@key</code> | <code>\معادل‌@‌کلید</code> |
| <code>\Latincite</code> | <code>\مرجع‌لاتین</code> |
| <code>\latinfont</code> | <code>\قلم‌لاتین</code> |
| <code>\latintoday</code> | <code>\امروز‌لاتین</code> |
| <code>\leftfootnoterule</code> | <code>\خط‌زیرنویس‌چپ</code> |
| <code>\lr</code> | <code>\متن‌لاتین</code> |
| <code>\LRE</code> | <code>\چپ‌براست</code> |
| <code>\LTRdblcol</code> | <code>\دو‌ستونی‌چپ</code> |
| <code>\LTRfootnote</code> | <code>\پانویس</code> |
| <code>\LTRfootnotetext</code> | <code>\متن‌پانویس</code> |
| <code>\LTRthanks</code> | <code>\پانویس‌عنوان</code> |
| <code>\persianday</code> | <code>\روز‌پارسی</code> |
| <code>\persianfont</code> | <code>\قلم‌پارسی</code> |
| <code>\PersianMathsDigits</code> | <code>\اعداد‌فرمول‌ها‌پارسی</code> |
| <code>\persianmonth</code> | <code>\ماه‌پارسی</code> |
| <code>\persianyear</code> | <code>\سال‌پارسی</code> |

Continued on next page



| Command in XePersian | Equivalent Persian Command |
|----------------------------|----------------------------|
| \plq | \علامت چپ نقل قول پارسی |
| \prq | \علامت راست نقل قول پارسی |
| \rightfootnoterule | \خط زیرنویس راست |
| \rl | \متن پارسی |
| \RLE | \راست بچپ |
| \RTLdblcol | \دوستونی راست |
| \RTLfootnote | \پانوش |
| \RTLfootnotetext | \متن پانوش |
| \RTLthanks | \پانوش عنوان |
| \@SepMark | \@علامت بین |
| \SepMark | \علامت بین |
| \setdefaultbibitems | \بگذار مرجوعات عادی |
| \setdefaultmarginpar | \بگذار در حاشیه عادی |
| \setdigitfont | \گزینش قلم اعداد فرمولها |
| \setfootnoteLR | \بگذار زیرنویس چپ |
| \setfootnoteRL | \بگذار زیرنویس راست |
| \setlatintextfont | \گزینش قلم لاتین متن |
| \setLTR | \بگذار متن چپ |
| \setLTRbibitems | \بگذار مرجوعات چپ |
| \setLTRmarginpar | \بگذار در حاشیه چپ |
| \setRTL | \بگذار متن راست |
| \setRTLbibitems | \بگذار مرجوعات راست |
| \setRTLmarginpar | \بگذار در حاشیه راست |
| \settextfont | \گزینش قلم متن |
| \textwidthfootnoterule | \خط زیرنویس پهنای متن |
| \twocolumnstableofcontents | \فهرست مطالب دوستونی |
| \unsetfootnoteRL | \نگذار زیرنویس راست |
| \unsetLTR | \نگذار متن چپ |
| \unsetRTL | \نگذار متن راست |
| \vboxL | \کادر واز چپ |
| \vboxR | \کادر واز راست |
| \XeLaTeX | \زی لاتک |
| \XePersian | \زی پرشین |
| \xepersianversion | \گونه زی پرشین |
| \xepersiandate | \تاریخ گونه زی پرشین |
| \XeTeX | \زی تک |

Table 3: The Equivalent \LaTeX Environments

| Environment in \LaTeX | Equivalent Persian Environment |
|--------------------------------|--------------------------------|
| abstract | چکیده |
| appendix | پیوست |

Continued on next page



| Environment in \LaTeX | Equivalent Persian Environment |
|--------------------------------|--------------------------------|
| array | آرایه |
| center | وسط چین |
| description | توضیح |
| displaymath | ریاضی نمایشی |
| document | نوشتار |
| enumerate | شمارش |
| figure | شکل |
| figure* | شکل* |
| filecontents | محتوای پرونده |
| filecontents* | محتوای پرونده* |
| flushleft | چپ چین |
| flushright | راست چین |
| itemize | فقرات |
| letter | نامه |
| list | لیست |
| longtable | جدول دراز |
| lrbox | کادر چ |
| math | ریاضی |
| matrix | ماتریس |
| minipage | صفحه کوچک |
| multicols | چند ستونی ها |
| multline | چند خطی |
| note | یادداشت |
| overlay | انباشتن |
| picture | تصویر |
| quotation | اقتباس |
| quote | نقل |
| slide | اسلاید |
| sloppypar | پارنا مرتب |
| split | شکافتن |
| subarray | زیر آرایه |
| tabbing | جاگذاری |
| table | لوح |
| table* | لوح* |
| tabular | جدول |
| tabular* | جدول* |
| thebibliography | مراجع |
| theindex | محتوای نمایه |
| titlepage | صفحه عنوان |
| trivlist | لیست بدوی |

Continued on next page



| Environment in \LaTeX | Equivalent Persian Environment |
|-------------------------|--------------------------------|
| verbatim | همانطور که هست |
| verbatim* | *همانطور که هست |
| verse | شعر |

Table 4: The Equivalent XePersian Environments

| Environment in XePersian | Equivalent Persian Environment |
|--------------------------|--------------------------------|
| latin | لاتین |
| LTR | متن چپ |
| LTRitems | دسته بندی چپ |
| persian | پارسی |
| RTL | متن راست |
| RTLitems | دسته بندی راست |

Localisation of position arguments. Some environments like `tabular` and some commands like `\parbox` have an argument which specifies the position. Table [Table 5](#) shows their localisations.

Table 5: The Equivalent \LaTeX position arguments

| Position argument in \LaTeX | Equivalent Persian position argument |
|-------------------------------|--------------------------------------|
| b | ز |
| c | و |
| C | س |
| h | ا |
| H | آ |
| J | ت |
| l | چ |
| L | ف |
| m | م |
| p | پ |
| p | ص |
| r | ر |
| R | ا |
| s | ک |
| t | ب |

☞ There are two `ps` in [Table 5](#), first `p` and its Persian equivalent `پ` stand for paragraph (used in `tabular` and similar environments) and the second `p` and its Persian equivalent `ص` stand for page (used in `float`-like environments).

2.4.8 Localizations of the keys and key values of `graphicx` package

The equivalent Persian keys and key values of `graphicx` package is shown in [Table 6](#) and [Table 7](#) respectively.



Table 6: Persian Equivalent keys of graphicx package

| Original Key | Equivalent Persian Key |
|-----------------|------------------------|
| draft | پیش نویس |
| origin | مبدا |
| clip | بی اضافه |
| keepaspectratio | حفظ تناسب |
| natwidth | پهنای طبیعی |
| natheight | بلندای طبیعی |
| bb | مختصات |
| viewport | محدوده نمایش |
| trim | حذف اطراف |
| angle | زاویه |
| width | پهنا |
| height | بلندا |
| totalheight | بلندای کل |
| scale | ضریب |
| type | نوع |
| ext | پسوند |
| read | خواندنی |
| command | فرمان |
| x | طول |
| y | عرض |
| units | واحد |

Table 7: Persian Equivalent key values of graphicx package

| Original Key value | Equivalent Persian Key value |
|--------------------|------------------------------|
| b | ز |
| B | ک |
| false | نادرست |
| l | چ |
| r | ر |
| t | ب |
| true | درست |

2.4.9 Localizations of font features and font feature options

The equivalent Persian font features and font feature options is shown in [Table 8](#) and [Table 9](#) respectively.

Table 8: Persian Equivalent font features

| Original font feature | Equivalent Persian font feature |
|-----------------------|---------------------------------|
| ExternalLocation | مکان خارجی |
| ExternalLocation | مسیر |

Continued on next page



| Original font feature | Equivalent Persian font feature |
|-----------------------|---------------------------------|
| Renderer | تحویل دهنده |
| BoldFont | قلم سیاه |
| Language | زبان |
| Script | خط |
| UprightFont | قلم عمودی |
| ItalicFont | قلم ایتالیک |
| BoldItalicFont | قلم ایتالیک سیاه |
| SlantedFont | قلم خوابیده |
| BoldSlantedFont | قلم خوابیده سیاه |
| SmallCapsFont | قلم کلاه کوچک |
| UprightFeatures | ویژگی های قلم عمودی |
| BoldFeatures | ویژگی های قلم سیاه |
| ItalicFeatures | ویژگی های قلم ایتالیک |
| BoldItalicFeatures | ویژگی های قلم ایتالیک سیاه |
| SlantedFeatures | ویژگی های قلم خوابیده |
| BoldSlantedFeatures | ویژگی های قلم خوابیده سیاه |
| SmallCapsFeatures | ویژگی های قلم کلاه کوچک |
| SizeFeatures | ویژگی های اندازه |
| Scale | ضریب |
| WordSpace | فضای کلمه |
| PunctuationSpace | فضای نقطه گذاری |
| FontAdjustment | تنظیم قلم |
| LetterSpace | فضای حرف |
| HyphenChar | نویسه تیره |
| Color | رنگ |
| Opacity | کدری |
| Mapping | نگاشت |
| Weight | سنگینی |
| Width | پهنا |
| OpticalSize | اندازه چشمی |
| FakeSlant | خوابیده تقلبی |
| FakeStretch | کشش تقلبی |
| FakeBold | سیاه تقلبی |
| AutoFakeSlant | خوابیده تقلبی خودکار |
| AutoFakeBold | سیاه تقلبی خودکار |
| Ligatures | دو یا چند حرف متصل به هم |
| Alternate | متناوب |
| Variant | گوناگون |
| Variant | مجموعه سبکی |
| CharacterVariant | گوناگونی نویسه |

Continued on next page



| Original font feature | Equivalent Persian font feature |
|-----------------------|---------------------------------|
| Style | سبک |
| Annotation | یادداشت |
| RawFeature | ویژگی‌های کال |
| CharacterWidth | پهنای نویسه |
| Numbers | ارقام |
| Contextuals | متنی |
| Diacritics | تفکیک‌کننده‌ها |
| Letters | حروف |
| Kerning | دوری |
| VerticalPosition | موقعیت عمودی |
| Fractions | کسر |

Table 9: Persian Equivalent font feature options

| font feature | font feature option | Persian font feature option |
|--------------|---------------------|-----------------------------|
| Language | Default | پیش فرض |
| Language | Parsi | پارسی |
| Script | Parsi | پارسی |
| Script | Latin | لاتین |
| Style | MathScript | اسکریت ریاضی |
| Style | MathScriptScript | اسکریت اسکریت ریاضی |

2.5 A Sample Input T_EX File

```

1 \documentclass{article}
2 \usepackage{xepersian}
3 \settextfont{XB Niloofar}
4 \title{یک سند نمونه}
5 \author{نام نویسنده}
6 \begin{document}
7 \maketitle
8 \tableofcontents
9 \part{عنوان بخش}
10 ...
11 \section{عنوان قسمت}
12 ...
13 \subsection{عنوان زیرقسمت}
14 ...
15 \subsubsection{عنوان زیر زیرقسمت}
16 ...
17 \end{document}

```

2.6 Font Commands



2.6.1 Basic Font Commands

```
\settextfont [Options] {\font name}  
\setlatintextfont [Options] {\font name}  
\setdigitfont [Options] {\font name}  
\setmathsfdigitfont [Options] {\font name}  
\setmathttdigitfont [Options] {\font name}
```

- ☞ Options in any font command in this documentation are anything that fontspec package provides as the option of loading fonts, except Script and Mapping.
- ☞ `\settextfont` will choose the default font for Persian texts of your document.
- ☞ `\setlatintextfont` will choose the font for Latin texts of your document. If you do not use this command at all, the default T_EX font (fonts used in this documentation) will be used for Latin texts of your document.
- ☞ `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.
- ☞ `\setmathsfdigitfont` will choose the Persian font for digits in math mode inside `\mathsf`. By using this command, digits in math mode inside `\mathsf` will appear in Persian form and if you do not use this command at all, you will get default T_EX font for digits in math mode inside `\mathsf` and digits appear in their original form (Western).
- ☞ `\setmathttdigitfont` will choose the Persian font for digits in math mode inside `\mathtt`. By using this command, digits in math mode inside `\mathtt` will appear in Persian form and if you do not use this command at all, you will get default T_EX font for digits in math mode inside `\mathtt` and digits appear in their original form (Western).

2.6.2 Defining Extra Persian and Latin Fonts

```
\defpersianfont\CS [Options] {\font name}  
\deflatinfont\CS [Options] {\font name}
```

- ☞ With `\defpersianfont`, you can define extra Persian fonts.

```
\defpersianfont\Nastaliq[Scale=1]{IranNastaliq}
```

In this example, we define `\Nastaliq` to stand for IranNastaliq font.

- ☞ With `\deflatinfont`, you can define extra Latin fonts.

```
\deflatinfont\junicode[Scale=1]{Junicode}
```

In this example, we define `\junicode` to stand for Junicode font.



2.6.3 Choosing Persian Sans Font

```
\setpersiansansfont [Options] {\font name}  
\persiansffamily \textpersiansf{\text}
```

2.6.4 Choosing Persian Mono Font

```
\setpersianmonofont [Options] {\font name}  
\persianttfamily \textpersiantt{\text}
```

2.6.5 Choosing Persian Iranic Font

```
\setiraniconfont [Options] {\font name}  
\iranicfamily \textiranicon{\text}
```

2.6.6 Choosing Persian Navar Font

```
\setnavarfont [Options] {\font name}  
\navarfamily \textnavar{\text}
```

2.6.7 Choosing Persian Pook Font

```
\setpookfont [Options] {\font name}  
\pookfamily \textpook{\text}
```

2.6.8 Choosing Persian Sayeh Font

```
\setsayehfont [Options] {\font name}  
\sayehfamily \textsayeh{\text}
```

2.6.9 Choosing Latin Sans Font

```
\setlatinsansfont [Options] {\font name}  
\sffamily \textsf{\text}
```

2.6.10 Choosing Latin Mono Font

```
\setlatinmonofont [Options] {\font name}  
\ttfamily \texttt{\text}
```



3 Latin and Persian Environment

```
\begin{latin} <text> \end{latin}  
\begin{persian} <text> \end{persian}
```

☞ `latin` environment both changes direction of the paragraphs to LTR and font to Latin font.

☞ `persian` environment both changes direction of the Paragraphs to RTL and font to Persian font.

3.1 `latinitems` and `parsiitems` environments

```
\begin{latinitems}  
  \item <text>  
  ...  
\end{latinitems}
```

☞ `latinitems` environment is similar to `LTItems` environment but changes the font to Latin font.

```
\begin{parsiitems}  
  \item <text>  
  ...  
\end{parsiitems}
```

☞ `parsiitems` environment is similar to `RTLItems` environment but changes the font to Persian font.

3.2 Short Latin and Persian Texts

```
\lr{<text>} \rl{<text>}
```

☞ With `\lr` command, you can typeset short LTR texts.

☞ With `\rl` command, you can typeset short RTL texts.

3.3 Miscellaneous Commands

```
\persianyear \persianmonth \persianday  
\today \latintoday \twocolumnstableofcontents \XePersian  
\plq \prq
```

☞ `\persianyear` is Persian equivalent of `\year`.



- ☞ `\persianmonth` is Persian equivalent of `\month`.
- ☞ `\persianday` is Persian equivalent of `\day`.
- ☞ `\today` typesets current Persian date and `\latintoday` typesets current Latin date.
- ☞ `\twocolumnstableofcontents` typesets table of contents in two columns. This requires that you have loaded `multicol` package before `XePersian` package, otherwise an error will be issued.
- ☞ `\XePersian` typesets XePersian's logo.
- ☞ `\plq` and `\prq` typeset Persian left quote and Persian right quote respectively.

3.4 New Commands

`\Latincite`

- ☞ `\Latincite` functions exactly like `\cite` command with only one difference; the reference to biblabel item is printed in Latin font in the text.

3.5 Additional Counters

XePersian defines several additional counters to what already \LaTeX offers. These counters are `harfi`, `adadi`, and `tartibi`. In addition, the following commands are also provided:

`\harfinumeral{⟨integer⟩}` `\adadinumeral{⟨integer⟩}` `\tartibinumeral{⟨integer⟩}`

- ☞ The range of `harfi` counter is integers between 1 and 32 (number of the Persian alphabets) and `adadi` and `tartibi` counters, are integers between 0 and 999,999,999.
- ☞ For `harfi` counter, if you give an integer bigger than 32 or a negative integer (if you give integer 0, it returns nothing), then you get error and for `adadi` and `tartibi` counters, if you give an integer bigger than 999,999,999, then you get an error message.
- ☞ For `adadi` and `tartibi` counters, if you give an integer less than 0 (a negative integer), then `adadi` and `tartibi` counters return **adadi** and **tartibi** form of the integer 0, respectively.
- ☞ `\harfinumeral` returns the **harfi** form of $\langle integer \rangle$, where $1 \leq integer \leq 32$ and `\adadinumeral`, and `\tartibinumeral` return **adadi**, and **tartibi** form of $\langle integer \rangle$ respectively, where $0 \leq integer \leq 999,999,999$.



3.6 Things To Know About `\setdigitfont`, `\setmathsfdigitfont`, and `\setmathttdigitfont`

`\DefaultMathsDigits` `\PersianMathsDigits` `\AutoMathsDigits`

- ☞ As we discussed before, `\setdigitfont` will choose the Persian font for digits in math mode. By default, digits in math mode will appear in Persian form.
 - ☞ As we discussed before, `\setmathsfdigitfont`, and `\setmathttdigitfont` will choose the Persian sans serif and typewriter fonts for digits in math mode. By using this command, digits in math mode will appear in Persian form and if you do not use this command at all, you will get default T_EX font for digits in math mode and digits appear in their original form (Western).
- If you use `\setdigitfont`, `\setmathsfdigitfont`, and `\setmathttdigitfont`, then you should know that:

- ☞ By default, `\AutoMathsDigits` is active, which means that in Persian mode, you get Persian digits in math mode and in Latin mode, you get T_EX's default font and digits in math mode.
- ☞ If you use `\PersianMathsDigits` anywhere, you will overwrite XePersian's default behaviour and you will always get Persian digits in math mode.
- ☞ If you use `\DefaultMathsDigits` anywhere, again you will overwrite XePersian's default behaviour and you will always get T_EX's default font and digits in math mode.

4 New Conditionals

4.1 Shell escape (or `write18`) conditional

```
\ifwritexviii
  <material when Shell escape (or write18) is enabled>
\else
  <material when Shell escape (or write18) is not enabled>
\fi
```

5 Bilingual Captions

XePersian sets caption bilingually. This means if you are in RTL mode, you get Persian caption and if you are in LTR mode, you get English caption.



5.1 Support For Various Packages

In addition to what bidi package supports, XePersian also support a few packages. This support is more about language aspect rather than directionality. These packages are algorithmic, algorithm, enumerate, and backref packages.

5.1.1 Things You Should Know about Support For enumerate Package

The enumerate package gives the enumerate environment an optional argument which determines the style in which the counter is printed.

An occurrence of one of the tokens A, a, I, i, or 1 produces the value of the counter printed with (respectively) \Alph, \alph, \Roman, \roman or \arabic.

In addition with the extra support that XePersian provides, an occurrence of one of the tokens l, ی, or ت produces the value of the counter printed with (respectively) \harfi, \adadi, or \tartibi.

These letters may be surrounded by any strings involving any other T_EX expressions, however the tokens A, a, I, i, 1, l, ی, ت must be inside a {} group if they are not to be taken as special.

To see an Example, please look at enumerate package documentation.

5.2 Index Generation

For generating index, you are advised to use xindy program, any other program such as makeindex is not recommended.

5.3 Converting Your FarsiT_EX Files To XePersian or Unicode

There is a python program written by Mostafa Vahedi that enables you to convert FarsiT_EX files to XePersian or unicode. This program can be found in doc folder with the name ftxe-0.12.py. To convert your FarsiT_EX files to XePersian, put ftxe-0.12.py in the same directory that your FarsiT_EX file is, and then open a terminal/command prompt and do the following:

```
python ftxe-0.12.py file.ftx file.tex
```

This will convert your file.ftx (FarsiT_EX file) to file.tex (XePersian file).

The general syntax of using the python script is as follow:

```
python ftxe-0.12.py [-r] [-s] [-x] [-u] input-filename1 input-filename2
```

Where

-r (DEFAULT) recursively consider files included in the given files

-s do not recursively consider files

-x (DEFAULT) insert XePersian related commands



-u only convert to unicode (and not to XePersian)

Please note that the python script will not work with versions of python later than 2.6. So you are encouraged to use version 2.6 of python to benefit from this python script.

6 Extra Packages And Classes

6.1 Magazine Typesetting

6.1.1 Introduction

xepersian-magazine class allows you to create magazines, newspapers and any other types of papers. The output document has a front page and as many inner pages as desired. Articles appear one after another, telling the type, number of columns, heading, subheading, images, author and so forth. It is possible to change the aspect of (almost) everything therefore it is highly customisable. Commands to add different titles, headings and footers are also provided.

6.1.2 Usage

To create² a magazine just load the class as usual³, with

```
\documentclass [Options] {xepersian-magazine}
```

at the beginning of your source file. The class options are described in [subsubsection 6.1.12](#).

From this point it is possible to include packages and renew class commands described in [subsubsection 6.1.9](#).

6.1.3 Front Page

As every magazine, xepersian-magazine has its own front page. It includes main headings, an index, the magazine logo and other useful information. This environment should be the first you use within xepersian-magazine class but it is not mandatory.

```
\firstimage \firstarticle
```

The first two commands you can use inside the `frontpage` environment are `\firstimage` and `\firstarticle` which include, respectively, the main image and the main heading in the front page. The first one takes two arguments $\langle image \rangle$ and $\langle description \rangle$. Notice that second argument is optional and it declares the image

²For a sample file, please look at `magazine-sample.tex` in the doc folder

³You also need to load `graphicx`, `xunicode` and `xepersian` packages respectively, after loading the document class and choose fonts for the main text, Latin text and digits in maths formulas. For more detail see [section 2](#) of the documentation.



caption; *<image>* defines the relative path to the image. In order to include the first piece of article use

```
\firstarticle{<title>}{<opening>}{<time>}
```

first two arguments are mandatory and represent heading and the opening paragraph. Last argument is optional (you can leave it blank) and indicates the time when article happened.

```
\secondarticle
```

The second piece of article is included using the command `\secondarticle` just as the first article. The main difference are that this second piece has two more arguments and it does not include an image.

```
\secondarticle{<title>}{<subtitle>}{<opening>}{<pagesof>}{<time>}
```

The new arguments *<subtitle>* and *<pagesof>* define a subtitle and the name of the section for this piece of article.

```
\thirdarticle
```

The third piece of article is the last one in the xepersian-magazine front page. It works like the `\secondarticle`.

```
\thirdarticle{<title>}{<subtitle>}{<opening>}{<pagesof>}{<time>}
```

The arguments meaning is the same as `\secondarticle` command.

The front page includes three information blocks besides the news: `indexblock` which contains the index, `authorblock` which includes information about the author and a `weatherblock` containing a weather forecast. All these three environments are mostly a frame in the front page therefore they can be redefined to fit your personal wishes but I kept them to give an example and to respect the original xepersian-magazine format.

```
\indexitem
```

The `indexblock` environment contains a manually edited index of xepersian-magazine. It takes one optional argument *<title>* and places a title over the index block. To add entries inside the index just type

```
\indexitem{<title>}{<reference>}
```

inside the environment. The *<title>* is the index entry text and the *<reference>* points to a article inside xepersian-magazine. It will be more clear when you read [subsub-](#)



[section 6.1.4](#). In order to get a correct output, it is necessary to leave a blank line between index items.

The `authorblock` environment can include whatever you would like. I called it `authorblock` because I think it is nice to include some author reference in the front page: who you are, why are you doing this... This environment creates a frame box in the bottom right corner of the front page with your own logo at the top.

```
\weatheritem
```

Finally, the `weatherblock` lets you include a weather forecast. It takes one optional argument $\langle title \rangle$ that places a title over the weather block. It can fit up to three weather icons with maximum and minimum temperatures, description and name. To add each of the weather entries type the following

```
\weatheritem{\langle image \rangle}{\langle day-name \rangle}{\langle max \rangle}{\langle min \rangle}{\langle short-des \rangle}
```

The first argument includes the path to the weather icon (i.e. sunny or rainy), $\langle day-name \rangle$ like Monday, $\langle max \rangle$ and $\langle min \rangle$ are the highest and lowest day temperatures and $\langle short-des \rangle$ is a brief description of the weather condition: partly cloudy, sunny and windy ...

6.1.4 Inside

Once we have created the front page we should include all articles inside our magazine. `xepersian-magazine` arranges all articles one after each other, expanding headings all over the page and splitting the article text in the number of columns we wish. There are three different environments to define a piece of article: the `article` environment described in [subsection 6.1.5](#), the `editorial` environment [subsection 6.1.6](#) for opinion articles and the `shortarticle` environment explained in [subsection 6.1.7](#).

6.1.5 The article environment

The main environment to include a piece of article is called `article`. It takes four arguments that set up the headings and structure of the article.

```
\begin{article}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle subtitle \rangle}{\langle pagesof \rangle}{\langle label \rangle}
... \langle text \rangle ...
\end{article}
```

The first argument $\langle num-of-columns \rangle$ sets the number of columns the article will be divided whereas $\langle label \rangle$ is used when pointing an article from the index in the front page. The rest of the arguments are easy to understand.

Inside the `article` environment, besides the main text of the article, it is possible to include additional information using several class commands.




```
\authorandplace \timestamp
```

The `\authorandplace{<author>}{<place>}` inserts the name of the editor and the place where the article happened in the way many magazines do. Another useful command is `\timestamp{<time>}` which includes the time and a separator just before the text. These two commands should be used before the text because they type the text as the same place they are executed.

```
\image
```

To include images within the text of an article, xepersian-magazine provides an `\image` command. Since multicols package does not provide any float support for its multicols environment, I created a macro that includes an image only if that is possible, calculating if there is enough space for the image. It is not the best solution but it works quite well and I could not find a better one. To include an image use the command and its two arguments: the relative path to the image and a short description.

```
\image{<image>}{<description>}
```

```
\columnntitle \expandedtitle
```

Within the text of the article, it is possible to add column and expanded titles. The main difference between them is that the first one keeps inside the width of an article column whereas the second expands all over the width of the page, breaking all the columns. Their use is analogous, as follows

```
\columnntitle{<type>}{<text>}  
\expandedtitle{<type>}{<text>}
```

These two commands use fancybox package features. That is why there are five different types of titles which correspond mainly with fancybox ones: shadowbox, doublebox, ovalbox, Ovalbox and lines.

6.1.6 The editorial environment

In addition to the editorial article environment, one can use the editorial environment to create editorial or opinion texts. The main feature is that it transforms the style of the heading. Although this environment accepts all the commands article takes, it does not make any sense to use the `\authorandplace` command within it since it includes an author argument. To create an editorial text use



```
\begin{editorial}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle author \rangle}{\langle label \rangle}
...{\langle text \rangle}...
\end{editorial}
```

All arguments have the same meaning as article environment (see [subsubsection 6.1.5](#)).

6.1.7 The shortarticle environment

The shortarticle environment creates a block of short article. Although it has its own title and subtitle, each piece of article within it may have a title. To use it just type:

```
\begin{shortarticle}{\langle num-of-columns \rangle}{\langle title \rangle}{\langle subtitle \rangle}{\langle label \rangle}
...{\langle text \rangle}...
\shortarticleitem{\langle title \rangle}{\langle text \rangle}
...
\end{shortarticle}
```

You can also specify the number of columns of the block like editorial and article environments. To add a piece of article inside the shortarticle use the `\shortarticleitem`, indicating a title and the text of the issue.

6.1.8 Commands between articles

```
\articlesep \newsection
```

There are two commands you can use among the articles inside xepersian-magazine: `\articlesep` and `\newsection`. The first one does not take any parameter and just draws a line between two articles. The second changes the content of `\xepersian@section` to the new *`\section name`*. From the point it is used, all articles which follow will be grouped within the new section.

```
\newsection{\langle section name \rangle}
```

6.1.9 Customization

xepersian-magazine includes many commands which can be used to customize its aspect, from the front page to the last page. I will list them grouped so it is easy to find them. Treat them as standard \LaTeX commands, using `\renewcommand` to change their behaviour.



6.1.10 Front Page

```
\customlogo \customminilogo \custommagazinenam
```

When creating a magazine, everyone wants to show its own logo instead of xepersian-magazine default heading. To achieve this, you need to put the following command at the preamble of your document:

```
\customlogo{<text>}  
\customminilogo{<text>}  
\custommagazinenam{<text>}
```

```
\edition \editionformat
```

The edition text has to be declared in the preamble of the document. One important thing to know is that `\author`, `\date` and `\title` have no effect inside xepersian-magazine since the magazine date is taken from `\today` command and the other two are only for the title page (if using `\maketitle`).

```
\indexFormat \indexEntryFormat \indexEntryPageTxt  
\indexEntryPageFormat \indexEntrySeparator
```

When defining the index in the front page, there are several commands to customize the final index style. `\indexFormat` sets the format of the title; `\indexEntryFormat`, the format of each index entry; `\indexEntryPageTxt` and `\indexEntryPageFormat` lets you define which is the text that goes with the page number and its format. Finally, xepersian-magazine creates a thin line between index entries, you can redefine it using `\indexEntrySeparator`. To get the index with `\xepersian@indexwidth` is provided.

```
\weatherFormat \weatherTempFormat \weatherUnits
```

Relating to the weather block, the title format can be changed redefining `\weatherFormat`. In order to customize the format of the temperature numbers and their units it is necessary to redefine `\weatherTempFormat` and `\weatherUnits` respectively.

```
\*TitleFormat \*SubtitleFormat \*TextFormat
```

The main article that appear in the front page can change their formats. To obtain that there are three standard commands to modify the title, subtitle and text style. You just have to replace the star (*) with first, second or third depending on which article you are editing. Note that first piece of article has no subtitle therefore it does not make any sense to use the non-existent command `\firstSubtitleFormat`.



```
\pictureCaptionFormat \pagesFormat
```

Two other elements to configure are the picture captions and the pages or section format in the entire document. To proceed just redefine the macros `\pictureCaptionFormat` and `\pagesFormat`.

6.1.11 Inside The Magazine

```
\innerTitleFormat \innerSubtitleFormat \innerAuthorFormat  
\innerPlaceFormat
```

The articles inside `xepersian-magazine` may have a different format from the ones in the front page. To change their title or subtitle format redefine `\innerTitleFormat` and `\innerSubtitleFormat`. The article text format matches the document general definition. When using the `\authorandplace` command, you might want to change the default style. Just renew `\innerAuthorFormat` and `\innerPlaceFormat` to get the results.

```
\timestampTxt \timestampSeparator \timestampFormat
```

The `\timestamp` command described in [subsubsection 6.1.5](#) lets you introduce the time of the event before the article text. You can configure its appearance by altering several commands: `\timestampTxt` which means the text after the timestamp; `\timestampSeparator` which defines the element between the actual timestamp and the beginning of the text and, finally, `\timestampFormat` to change the entire timestamp format.

```
\innerTextFinalMark
```

`xepersian-magazine` puts a small black square at the end of the article. As I wanted to create a highly customizable \LaTeX class I added the macro `\innerTextFinalMark` to change this black square. This item will appear always following the last character of the text with the `~` character.

```
\minraggedcols \raggedFormat
```

The `\minraggedcols` counter is used to tell `xepersian-magazine` when article text should be ragged instead of justified. The counter represents the minimum number of columns that are needed in order to use ragged texts. For example, if `\minraggedcols` is set to 3, all articles with 3 columns or more will be ragged. Articles with 1, 2 columns will have justified text. By default, `\minraggedcols` is set to 4.

The `\raggedFormat` macro can be redefined to fit user ragged style. Default value is `\RaggedLeft`.



```
\heading \foot
```

xepersian-magazine includes package fancyhdr for changing headings and footers. Although it is possible to use its own commands to modify xepersian-magazine style, there are two commands to change headings and foot appearance. Place them in the preamble of your xepersian-magazine document.

```
\heading{\left}\{center}\{right}\  
\foot{\left}\{center}\{right}
```

If you still prefer to use fancyhdr macros, use them after the `frontpage` environment. xepersian-magazine by default places no headers and footers. If you want headers and footers, then after loading xepersian package, you should write `\pagestyle{fancy}` at the preamble of your document.

6.1.12 Class Options

The xepersian-magazine class is in itself an alteration of the standard article class, thus it inherits most of its class options but twoside, twocolumn, notitlepage and a4paper. If you find problems when loading other article features, please let me know to fix it. There are also five own options that xepersian-magazine implements.

a3paper (false) This option makes xepersian-magazine 297 mm width by 420 mm height. This option is implemented because the standard article class does not allow this document size.

9pt (false) Allows the 9pt font size that article class does not include (default is 10pt).

columnlines columnlines (false) Adds lines between columns in the entire xepersian-magazine. The default line width is 0.1pt but it is possible to change this by setting length `\columnlines` in the preamble.

showgrid (false) This option is only for developing purposes. Because the front page has a personal design using the textpos package, I created this grid to make easier the layout.

6.2 Typesetting Multiple-choice Questions

6.2.1 Introduction

xepersian-multiplechoice is a package for making multiple choices questionnaires under \LaTeX . A special environment allows you to define questions and possible answers. You can specify which answers are correct and which are not. xepersian-multiplechoice not only formats the questions for you, but also generates a “form” (a grid that your students will have to fill in), and a “mask” (the same grid, only with correct answers properly checked in). You can then print the mask on a slide and correct the questionnaires more easily by superimposing the mask on top of students’ forms.



6.2.2 Usage

Here we now explain the usage of this package, however there are four example files, namely `test-question-only.tex`, `test-solution-form.tex`, `test-empty-form.tex` and `test-correction.tex`, available in `doc` folder that you may want to look at.

6.2.3 Loading The Package

You can load the package as usual by:

```
\usepackage [Options] {xepersian-multiplechoice}
```

The available options are described along the text, where appropriate.

6.2.4 Creating Questions

Here's a simple example demonstrating how to produce a new question:

```
1 \begin{question}{سؤال}
2 \false \ جواب
3 \true ۲ جواب
4 \false ۳ جواب
5 \false ۴ جواب
6 \end{question}
7 \begin{correction}
8 جواب واقعی و علت اینکه این جواب، جواب واقعی هست
9 \end{correction}
```

6.2.5 The question Environment

The `question` environment allows you to insert questions into your document. It takes one mandatory argument which specifies the actual question's text. The question will be displayed in a frame box, the size of the line.

```
\true \false
```

The proposed answers are displayed below the question in a list fashion (the question environment is a list-based one). Instead of using `\item` however, use either `\true` or `\false` to insert a possible answer.

6.2.6 Question Numbers

The `question` environment is associated with a \TeX counter named `question`. This counter stores the number of the next (or current) question. It is initialized to 1, and automatically incremented at the end of `question` environments. You might want to use it to format question titles. For instance, you could decide that each question belongs to a subsection in the `article` class, and use something like this before each question: `\subsection*{Question \thethequestion}`



6.2.7 The Form and the Mask

`\makeform \makemask`

Based on the questions appearing in your document, xepersian-multiplechoice has the ability to generate a “form” (a grid that your students will have to fill in), and a “mask” (the same grid, only with correct answers properly checked in). This can make the correction process easier.

To generate a form and a mask, use the macros `\makeform` and `\makemask`. xepersian-multiplechoice uses two auxiliary files to build them. These files have respectively an extension of `frm` and `msk`. If you use these macros, you will need two passes of L^AT_EX in order to get a correctly formatted document.

6.2.8 Typesetting corrections

The “correction” mode allows you to automatically typeset and distribute corrections to your students. These corrections are slightly modified versions of your questionnaire: each possible answer is prefixed with a small symbol (a visual clue) indicating whether the answer was correct or wrong. In addition, you can typeset explanations below each question.

To activate the correction mode, use the `correction` option. It is off by default.

To typeset explanations below the questions, use the `correction` environment (no argument). The contents of this environment is displayed only in correction mode. In normal mode, it is simply discarded.

In addition, note that xepersian-multiplechoice cancels the actions performed by `\makeform` and `\makemask` in `correction` mode. This is to avoid further edition of the source when typesetting a correction.

6.2.9 Important Note

Currently, xepersian-multiplechoice requires that you provide a constant number of proposed answers across all questions in your xepersian-multiplechoice. This is something natural when you want to build forms, but this might be too restrictive otherwise, I’m not sure, so it is possible that this restriction will be removed in future versions.

Currently, there is a built-in mechanism for checking that the number of proposed answers remains constant: when xepersian-multiplechoice encounters the first occurrence of the `question` environment, it remembers the number of proposed answers from there. Afterwards, any noticed difference in subsequent occurrences will generate an error. As a consequence, you never have to tell xepersian-multiplechoice explicitly what that number is.

6.3 Customising The Package



6.3.1 The question environment

`\questionspace \answerstitlefont \answernumberfont`

`\questionspace` is the amount of extra vertical space to put under the question, before the list of proposed answers. This is a \LaTeX length that defaults to 0pt. Before the list of possible answers, a short title is displayed (for English, it reads “Possible answers:”). The `\answerstitlefont` macro takes one mandatory argument which redefines the font to use for the answers title. By default, `\bfseries` is used. Each proposed answer in the list is numbered automatically (and alphabetically). The `\answernumberfont` macro takes one mandatory argument which redefines the font to use for displaying the answer number. By default, `\bfseries` is used.

6.3.2 The Form and the Mask

`\headerfont \X`

The `\headerfont` macro takes one mandatory argument which redefines the font to use for the headers (first line and first column) of the form and mask arrays. By default, `\bfseries` is used.

In the mask, correct answers are checked in by filling the corresponding cell with an “X” character. If you want to change this, call the `\X` macro with one (mandatory) argument.

6.3.3 The correction

`\truesymbol \falsesymbol`

In correction mode, labels in front of answers are modified to give a visual clue about whether the answer was correct or wrong. By default, a cross and a small arrow are used. You can change these symbols by using the `\truesymbol` and `\falsesymbol` macros. For instance, you could give a fancier look to your correction by using the `pifont` package and issuing:

```
\truesymbol{\ding{'063}~}
\falsesymbol{\ding{'067}~}
```

`\correctionstyle`

The appearance of the contents of the correction environment can be adjusted by using the `\correctionstyle` macro. By default, `\itshape` is used.

7 xepersian implementation

7.1 algorithmic-xepersian.def




```

1 \ProvidesFile{algorithmic-xepersian.def}[2010/07/25 v0.2 adaptations for algorithmic package]
2 \def\algorithmicrequire{\if@RTL\textbf{ : }\else\textbf{Require:}\fi}
3 \def\algorithmicensure{\if@RTL\textbf{ : }\else\textbf{Ensure:}\fi}

```

7.2 algorithm-xepersian.def

```

4 \ProvidesFile{algorithm-xepersian.def}[2010/07/25 v0.2 adaptations for algorithm package]
5 \def\ALG@name{\if@RTL else\ Algorithm\fi}
6 \def\ALGS@name{ }
7 \def\listalgorithmname{\if@RTL \ALGS@name\else List of \ALG@name s\fi}

```

7.3 amsart-xepersian.def

```

8 \ProvidesFile{amsart-xepersian.def}[2017/02/04 v0.4 adaptations for amsart class]
9 \renewcommand \thepart {\@tartibi\c@part}
10 \def\appendix{\par\c@section\z@ \c@subsection\z@
11 \let\sectionname\appendixname
12 \def\thesection{\@harfi\c@section}}
13

```

7.4 amsbook-xepersian.def

```

14 \ProvidesFile{amsbook-xepersian.def}[2017/02/04 v0.5 adaptations for amsbook class]
15 \def\frontmatter{\cleardoublepage\pagenumbering{harfi}}
16 \renewcommand \thepart {\@tartibi\c@part}
17 \def\appendix{\par
18 \c@chapter\z@ \c@section\z@
19 \let\chaptername\appendixname
20 \def\thechapter{\@harfi\c@chapter}}
21
22

```

7.5 appendix-xepersian.def

```

23 \ProvidesFile{appendix-xepersian.def}[2015/02/01 v0.1 adaptations for appendix package]
24 \renewcommand{\@resets@pp}{\par
25 \@ppsavesec
26 \stepcounter{@pps}
27 \setcounter{section}{0}%
28 \if@chapter@pp
29 \setcounter{chapter}{0}%
30 \renewcommand\@chapapp{\appendixname}%
31 \renewcommand\thechapter{\@harfi\c@chapter}%
32 \else
33 \setcounter{subsection}{0}%
34 \renewcommand\thesection{\@harfi\c@section}%
35 \fi
36 \restoreapp
37 }

```

7.6 article-xepersian.def

```

38 \ProvidesFile{article-xepersian.def}[2010/07/25 v0.2 adaptations for standard article class]

```



```

39 \renewcommand \thepart {\@tartibi\c@part}
40 \renewcommand\appendix{\par
41   \setcounter{section}{0}%
42   \setcounter{subsection}{0}%
43   \gdef\thesection{\@harfi\c@section}}

```

7.7 artikel1-xepersian.def

```

44 \ProvidesFile{artikel1-xepersian.def}[2010/07/25 v0.1 adaptations for artikel1 class]
45 \renewcommand*\thepart{\@tartibi\c@part}
46 \renewcommand*\appendix{\par
47   \setcounter{section}{0}%
48   \setcounter{subsection}{0}%
49   \gdef\thesection{\@harfi\c@section}}

```

7.8 artikel2-xepersian.def

```

50 \ProvidesFile{artikel2-xepersian.def}[2010/07/25 v0.1 adaptations for artikel2 class]
51 \renewcommand*\thepart{\@tartibi\c@part}
52 \renewcommand*\appendix{\par
53   \setcounter{section}{0}%
54   \setcounter{subsection}{0}%
55   \gdef\thesection{\@harfi\c@section}}

```

7.9 artikel3-xepersian.def

```

56 \ProvidesFile{artikel3-xepersian.def}[2010/07/25 v0.1 adaptations for artikel3 class]
57 \renewcommand*\thepart{\@tartibi\c@part}
58 \renewcommand*\appendix{\par
59   \setcounter{section}{0}%
60   \setcounter{subsection}{0}%
61   \gdef\thesection{\@harfi\c@section}}

```

7.10 backref-xepersian.def

```

62 \ProvidesFile{backref-xepersian.def}[2010/07/25 v0.1 adaptations for backref package]
63 \def\backrefpagesname{\if@RTL else\   pages\fi}
64 \def\BR@Latincitex[#1]#2{%
65   \BRorg@Latincitex[#1]#2}%
66 \ifBR@verbose
67   \PackageInfo{backref}{back Latin cite \string`#2\string'}%
68 \fi
69 \Hy@backout{#2}%
70 }
71 \AtBeginDocument{%
72   \@ifundefined{NAT@parse}{%
73     \global\let\BRorg@Latincitex\@Latincitex
74     \global\let\@Latincitex\BR@Latincitex
75   }{%
76     \ifpackageloaded{hyperref}{%
77       \def\hyper@natlinkstart#1{\Hy@backout{#1}}%
78     }%
79     \PackageInfo{backref}{** backref set up for natbib **}%

```



```

80 }%
81 }%

```

7.11 bidentuftsidenote-xepersian.def

```

82 \ProvidesFile{bidentuftsidenote-xepersian.def}[2017/02/04 v0.3 xepersian changes to bidentufts
83
84 \setLTRcitationfont{\resetlatinfont\footnotesize}
85
86 \renewcommand*{\@bidentuftsidenote@LTRmarginfont}{\resetlatinfont\footnotesize}
87
88 \renewcommand*{\@bidentuftsidenote@RTLmarginfont}{\setpersianfont\footnotesize}
89
90

```

7.12 bidimoderncv-xepersian.def

```

91 \ProvidesFile{bidimoderncv-xepersian.def}[2010/07/25 v0.1 adaptations for bidimoderncv class]
92 \def\refname{\if@RTL else\      Publications\fi}

```

7.13 boek3-xepersian.def

```

93 \ProvidesFile{boek3-xepersian.def}[2010/07/25 v0.1 adaptations for boek3 class]
94 \renewcommand*\thepart{\@tartibi\c@part}
95 \renewcommand*\frontmatter{%
96   \cleardoublepage
97   \@mainmatterfalse
98   \pagenumbering{harfi}}
99 \renewcommand*\appendix{\par
100   \setcounter{chapter}{0}%
101   \setcounter{section}{0}%
102   \gdef\@chapapp{\appendixname}%
103   \gdef\thechapter{\@harfi\c@chapter}}

```

7.14 boek-xepersian.def

```

104 \ProvidesFile{boek-xepersian.def}[2010/07/25 v0.1 adaptations for boek class]
105 \renewcommand*\thepart{\@tartibi\c@part}
106 \renewcommand*\frontmatter{%
107   \cleardoublepage
108   \@mainmatterfalse
109   \pagenumbering{harfi}}
110 \renewcommand*\appendix{\par
111   \setcounter{chapter}{0}%
112   \setcounter{section}{0}%
113   \gdef\@chapapp{\appendixname}%
114   \gdef\thechapter{\@harfi\c@chapter}}

```

7.15 bookest-xepersian.def

```

115 \ProvidesFile{bookest-xepersian.def}[2010/07/25 v0.1 adaptations for bookest class]
116 \renewcommand \thepart {\@tartibi\c@part}
117 \renewcommand\appendix{\par

```



```

118 \setcounter{chapter}{0}%
119 \setcounter{section}{0}%
120 \gdef\@chapapp{\appendixname}%
121 \gdef\thechapter{\@harfi\c@chapter}
122 }%end appendix

```

7.16 book-xepersian.def

```

123 \ProvidesFile{book-xepersian.def}[2010/07/25 v0.2 adaptations for standard book class]
124 \renewcommand\frontmatter{%
125   \cleardoublepage
126   \@mainmatterfalse
127   \pagenumbering{harfi}}
128 \renewcommand \thepart {\@tartibi\c@part}
129 \renewcommand\appendix{\par
130   \setcounter{chapter}{0}%
131   \setcounter{section}{0}%
132   \gdef\@chapapp{\appendixname}%
133   \gdef\thechapter{\@harfi\c@chapter}
134 }%end appendix

```

7.17 breqn-xepersian.def

```

135 \ProvidesFile{breqn-xepersian.def}[2010/07/25 v0.1 adaptations for breqn package]
136 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
137   \everydisplay\expandafter{\the\everydisplay \display@setup}%
138   \if@noskipsec \leavevmode \fi
139   \if@inlabel \leavevmode \global\@inlabelfalse \fi
140   \if\eq@group\else\eq@prelim\fi
141   \setkeys{breqn}{#1}%
142   \the\eqstyle
143   \eq@setnumber
144   \begingroup
145   \eq@setup@a
146   \eq@startup
147 }
148 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
149   \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
150   \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
151   \global\let\GRP@label\@empty
152   \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
153   \global\grp@linewidth\z@\global\grp@wdNum\z@
154   \global\let\grp@eqs@numbered\@False
155   \global\let\grp@aligned\@True
156   \global\let\grp@shiftnumber\@False
157   \eq@prelim
158   \setkeys{breqn}{#1}%
159   \if\grp@hasNumber \grp@setnumber \fi
160 }
161 \def\@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
162   \let\display@setup\dseries@display@setup

```



```

163 % Question: should this be the default for dseries???
164 \global\eq@wdCond\z@
165 \@dmath[layout={M},#1]%
166 \mathsurround\z@\@math \penalty\@Mi
167 \let\endmath\ends@math
168 \def\premath{%
169     \ifdim\lastskip<.3em \unskip
170     \else\ifnum\lastpenalty<\@M \dquad\fi\fi
171 }%
172 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
173 \ignorespaces
174 }

```

7.18 latex-localise-commands-xepersian.def

```

175 \ProvidesFile{latex-localise-commands-xepersian.def}[2014/02/05 v0.3 Persian localisation of L
176 \eqcommand{ }{@arstrut}
177 \eqcommand{ }{above}
178 \eqcommand{ }{abovedisplayshortskip}
179 \eqcommand{ }{abovedisplayskip}
180 \eqcommand{ }{abstractname}
181 \eqcommand{ }{accent}
182 \eqcommand{ }{active}
183 \eqcommand{ }{addcontentsline}
184 \eqcommand{ }{addpenalty}
185 \eqcommand{ }{address}
186 \eqcommand{ }{addtocontents}
187 \eqcommand{ }{addtocounter}
188 \eqcommand{ }{addtolength}
189 \eqcommand{ }{addvspace}
190 \eqcommand{ }{adjdemerits}
191 \eqcommand{ }{advance}
192 \eqcommand{ }{afterassignment}
193 \eqcommand{ }{aftergroup}
194 \eqcommand{ }{aleph}
195 \eqcommand{ }{aliasfontfeature}
196 \eqcommand{ }{aliasfontfeatureoption}
197 \eqcommand{ }{allowbreak}
198 \eqcommand{ @}{alloc@}
199 \eqcommand{ }{allocationnumber}
200 \eqcommand{ }{allowdisplaybreaks}
201 \eqcommand{ }{Alph}
202 \eqcommand{ }{alph}
203 \eqcommand{ }{alsoname}
204 \eqcommand{ }{and}
205 \eqcommand{ }{angle}
206 \eqcommand{ }{appendixname}
207 \eqcommand{ }{approx}
208 \eqcommand{ }{arabic}
209 \eqcommand{ }{arg}

```



```

210 \eqcommand{    }\{arrayrulecolor\}
211 \eqcommand{    }\{arraycolsep\}
212 \eqcommand{    }\{arrayrulewidth\}
213 \eqcommand{    }\{arraystretch\}
214 \eqcommand{    }\{AtBeginDocument\}
215 \eqcommand{    }\{AtEndDocument\}
216 \eqcommand{    }\{AtEndOfClass\}
217 \eqcommand{    }\{AtEndOfPackage\}
218 \eqcommand{    }\{author\}
219 \eqcommand{    }\{backmatter\}
220 \eqcommand{    }\{backslash\}
221 \eqcommand{    }\{badness\}
222 \eqcommand{    }\{bar\}
223 \eqcommand{    }\{baselineskip\}
224 \eqcommand{    }\{baselinestretch\}
225 \eqcommand{    }\{batchmode\}
226 \eqcommand{    }\{begin\}
227 \eqcommand{    }\{beginL\}
228 \eqcommand{    }\{beginR\}
229 \eqcommand{    }\{begingroup\}
230 \eqcommand{    }\{belowdisplayshortskip\}
231 \eqcommand{    }\{belowdisplayskip\}
232 \eqcommand{    }\{bf\}
233 \eqcommand{    }\{bfdefault\}
234 \eqcommand{    }\{bfseries\}
235 \eqcommand{    }\{bgroup\}
236 \eqcommand{    }\{bibitem\}
237 \eqcommand{    }\{bibliography\}
238 \eqcommand{    }\{bibliographystyle\}
239 \eqcommand{    }\{bibname\}
240 \eqcommand{    }\{bigskip\}
241 \eqcommand{    }\{bigskipamount\}
242 \eqcommand{    }\{botfigrule\}
243 \eqcommand{    }\{botmark\}
244 \eqcommand{    }\{bottompageskip\}
245 \eqcommand{    }\{bottomfraction\}
246 \eqcommand{    }\{box\}
247 \eqcommand{    }\{boxmaxdepth\}
248 \eqcommand{    }\{break\}
249 \eqcommand{    }\{bullet\}
250 \eqcommand{ @ }\{@cclv\}
251 \eqcommand{ @ }\{@cclvi\}
252 \eqcommand{    }\{caption\}
253 \eqcommand{    }\{catcode\}
254 \eqcommand{    }\{cc\}
255 \eqcommand{    }\{ccname\}
256 \eqcommand{    }\{cdot\}
257 \eqcommand{    }\{cdots\}
258 \eqcommand{    }\{centering\}
259 \eqcommand{    }\{centerline\}

```



```

260 \eqcommand{ @ }{ch@ck}
261 \eqcommand{ }{chapter}
262 \eqcommand{ }{chaptername}
263 \eqcommand{ }{char}
264 \eqcommand{ }{chardef}
265 \eqcommand{ }{CheckCommand}
266 \eqcommand{ }{cite}
267 \eqcommand{ }{ClassError}
268 \eqcommand{ }{ClassInfo}
269 \eqcommand{ }{ClassWarning}
270 \eqcommand{ }{ClassWarningNoLine}
271 \eqcommand{ }{cleaders}
272 \eqcommand{ }{cleardoublepage}
273 \eqcommand{ }{clearpage}
274 \eqcommand{ }{cline}
275 \eqcommand{ }{closein}
276 \eqcommand{ }{closeout}
277 \eqcommand{ }{closing}
278 \eqcommand{ }{clubpenalty}
279 \eqcommand{ }{clubsuit}
280 \eqcommand{ }{colbotmark}
281 \eqcommand{ }{colfirstmark}
282 \eqcommand{ }{color}
283 \eqcommand{ }{colorbox}
284 \eqcommand{ }{coltopmark}
285 \eqcommand{ }{columncolor}
286 \eqcommand{ }{columnsep}
287 \eqcommand{ }{columnwidth}
288 \eqcommand{ }{columnseprule}
289 \eqcommand{ }{contentsline}
290 \eqcommand{ }{contentsname}
291 \eqcommand{ }{copy}
292 \eqcommand{ }{copyright}
293 \eqcommand{ }{count}
294 \eqcommand{ @ }{count@}
295 \eqcommand{ }{countdef}
296 \eqcommand{ }{cr}
297 \eqcommand{ }{crr}
298 \eqcommand{ }{csname}
299 \eqcommand{ }{CurrentOption}
300 \eqcommand{ }{dashbox}
301 \eqcommand{ }{dashv}
302 \eqcommand{ @ }{@date}
303 \eqcommand{ }{date}
304 \eqcommand{ }{day}
305 \eqcommand{ }{dblbotfigrule}
306 \eqcommand{ }{dblbottomfraction}
307 \eqcommand{ }{dblfigrule}
308 \eqcommand{ }{dblfloatpagefraction}
309 \eqcommand{ }{dblfloatsep}

```



```

310 \eqcommand{      }\{dblfnfloatcode\}
311 \eqcommand{      }\{dbltextfloatsep\}
312 \eqcommand{      }\{dbltopfraction\}
313 \eqcommand{      }\{DeclareFixedFont\}
314 \eqcommand{      }\{DeclareGraphicsExtensions\}
315 \eqcommand{      }\{DeclareGraphicsRule\}
316 \eqcommand{      }\{DeclareOldFontCommand\}
317 \eqcommand{      }\{DeclareOption\}
318 \eqcommand{      }\{DeclareRobustCommand\}
319 \eqcommand{      }\{DeclareSymbolFont\}
320 \eqcommand{      }\{deadcycles\}
321 \eqcommand{ }\{def\}
322 \eqcommand{ @ }\{define@key\}
323 \eqcommand{   }\{definecolor\}
324 \eqcommand{ }\{deg\}
325 \eqcommand{ }\{delcode\}
326 \eqcommand{ }\{delimiter\}
327 \eqcommand{ }\{delimiterfactor\}
328 \eqcommand{ }\{depth\}
329 \eqcommand{ }\{diamondsuit\}
330 \eqcommand{ }\{dim\}
331 \eqcommand{ }\{dimen\}
332 \eqcommand{ @ }\{dimen@\}
333 \eqcommand{ @ }\{dimen@i\}
334 \eqcommand{ @ }\{dimen@ii\}
335 \eqcommand{   }\{dimendef\}
336 \eqcommand{   }\{discretionary\}
337 \eqcommand{   }\{displaybreak\}
338 \eqcommand{   }\{displayindent\}
339 \eqcommand{   }\{displaystyle\}
340 \eqcommand{   }\{displaywidth\}
341 \eqcommand{ }\{divide\}
342 \eqcommand{   }\{documentclass\}
343 \eqcommand{ }\{do\}
344 \eqcommand{   }\{dospecials\}
345 \eqcommand{ }\{dot\}
346 \eqcommand{ }\{doteq\}
347 \eqcommand{ }\{dotfill\}
348 \eqcommand{ }\{dots\}
349 \eqcommand{ }\{doublebox\}
350 \eqcommand{   }\{doublerulesepcolor\}
351 \eqcommand{   }\{doublerulesep\}
352 \eqcommand{ }\{downarrow\}
353 \eqcommand{ }\{dp\}
354 \eqcommand{ }\{dump\}
355 \eqcommand{ }\{edef\}
356 \eqcommand{ }\{egroup\}
357 \eqcommand{ }\{eject\}
358 \eqcommand{ }\{else\}
359 \eqcommand{ }\{em\}

```




```

360 \eqcommand{    }{emergencystretch}
361 \eqcommand{    }{emph}
362 \eqcommand{@ }{@empty}
363 \eqcommand{    }{empty}
364 \eqcommand{    }{emptyset}
365 \eqcommand{    }{end}
366 \eqcommand{    }{endL}
367 \eqcommand{    }{endR}
368 \eqcommand{    }{endcsname}
369 \eqcommand{    }{endfirsthead}
370 \eqcommand{    }{endfoot}
371 \eqcommand{    }{endgraf}
372 \eqcommand{    }{endgroup}
373 \eqcommand{    }{endhead}
374 \eqcommand{    }{endinput}
375 \eqcommand{    }{endlastfoot}
376 \eqcommand{    }{enlargethispage}
377 \eqcommand{    }{endline}
378 \eqcommand{    }{endlinechar}
379 \eqcommand{    }{enspace}
380 \eqcommand{    }{enskip}
381 \eqcommand{    }{eqcommand}
382 \eqcommand{    }{eqenvironment}
383 \eqcommand{    }{eqref}
384 \eqcommand{    }{errhelp}
385 \eqcommand{    }{errmessage}
386 \eqcommand{    }{errorcontextlines}
387 \eqcommand{    }{errorstopmode}
388 \eqcommand{    }{escapechar}
389 \eqcommand{    }{euro}
390 \eqcommand{    }{evensidemargin}
391 \eqcommand{    }{everycr}
392 \eqcommand{    }{everydisplay}
393 \eqcommand{    }{everyhbox}
394 \eqcommand{    }{everyjob}
395 \eqcommand{    }{everymath}
396 \eqcommand{    }{everypar}
397 \eqcommand{    }{everyvbox}
398 \eqcommand{    }{ExecuteOptions}
399 \eqcommand{    }{exhyphenpenalty}
400 \eqcommand{    }{expandafter}
401 \eqcommand{    }{extracolsep}
402 \eqcommand{@ }{@firstofone}
403 \eqcommand{@ }{@firstoftwo}
404 \eqcommand{ @ }{f@ur}
405 \eqcommand{    }{fam}
406 \eqcommand{    }{fancy page}
407 \eqcommand{    }{fbox}
408 \eqcommand{    }{fboxrule}
409 \eqcommand{    }{fboxsep}

```



```

410 \eqcommand{    }{fcolorbox}
411 \eqcommand{ }{fi}
412 \eqcommand{    }{figurename}
413 \eqcommand{    }{filbreak}
414 \eqcommand{ }{fill}
415 \eqcommand{    }{firstmark}
416 \eqcommand{ }{flat}
417 \eqcommand{    }{floatpagefraction}
418 \eqcommand{    }{floatingpenalty}
419 \eqcommand{    }{floatsep}
420 \eqcommand{    }{flushbottom}
421 \eqcommand{    }{fmtname}
422 \eqcommand{    }{fmtversion}
423 \eqcommand{    }{fnsymbol}
424 \eqcommand{ }{font}
425 \eqcommand{    }{fontdimen}
426 \eqcommand{    }{fontencoding}
427 \eqcommand{    }{fontfamily}
428 \eqcommand{    }{fontname}
429 \eqcommand{    }{fontseries}
430 \eqcommand{    }{fontshape}
431 \eqcommand{    }{fontsize}
432 \eqcommand{    }{footheight}
433 \eqcommand{    }{footins}
434 \eqcommand{    }{footnote}
435 \eqcommand{    }{footnotemark}
436 \eqcommand{    }{footnoterule}
437 \eqcommand{    }{footnotesep}
438 \eqcommand{    }{footnotesize}
439 \eqcommand{    }{footnotetext}
440 \eqcommand{    }{footskip}
441 \eqcommand{ }{frame}
442 \eqcommand{    }{framebox}
443 \eqcommand{    }{frenchspacing}
444 \eqcommand{    }{frontmatter}
445 \eqcommand{    }{futurelet}
446 \eqcommand{@    }{@gobble}
447 \eqcommand{@    }{@gobbletwo}
448 \eqcommand{@    }{@gobblefour}
449 \eqcommand{@    }{@gtempa}
450 \eqcommand{@    }{@gtempb}
451 \eqcommand{ }{gdef}
452 \eqcommand{    }{GenericInfo}
453 \eqcommand{    }{GenericWarning}
454 \eqcommand{    }{GenericError}
455 \eqcommand{ }{global}
456 \eqcommand{    }{globaldefs}
457 \eqcommand{    }{glossary}
458 \eqcommand{    }{glossaryentry}
459 \eqcommand{    }{goodbreak}

```



```

460 \eqcommand{    }\{graphpaper\}
461 \eqcommand{    }\{guillemotleft\}
462 \eqcommand{    }\{guillemotright\}
463 \eqcommand{    }\{guilsinglleft\}
464 \eqcommand{    }\{guilsinglright\}
465 \eqcommand{    }\{halign\}
466 \eqcommand{    }\{hang\}
467 \eqcommand{    }\{hangafter\}
468 \eqcommand{    }\{hangindent\}
469 \eqcommand{    }\{hbadness\}
470 \eqcommand{    }\{hbox\}
471 \eqcommand{    }\{headheight\}
472 \eqcommand{    }\{headsep\}
473 \eqcommand{    }\{headtoname\}
474 \eqcommand{    }\{heartsuit\}
475 \eqcommand{    }\{height\}
476 \eqcommand{    }\{hfil\}
477 \eqcommand{    }\{hfill\}
478 \eqcommand{    }\{hfilneg\}
479 \eqcommand{    }\{hfuzz\}
480 \eqcommand{    }\{hideskip\}
481 \eqcommand{    }\{hidewidth\}
482 \bidi@csletcs{ }\{hline\}% this is an exception
483 \eqcommand{    }\{hoffset\}
484 \eqcommand{    }\{holdinginserts\}
485 \eqcommand{    }\{hrboxsep\}
486 \eqcommand{    }\{hrule\}
487 \eqcommand{    }\{hrulefill\}
488 \eqcommand{    }\{hsize\}
489 \eqcommand{    }\{hskip\}
490 \eqcommand{    }\{hspace\}
491 \eqcommand{    }\{hss\}
492 \eqcommand{    }\{ht\}
493 \eqcommand{    }\{huge\}
494 \eqcommand{    }\{Huge\}
495 \eqcommand{    }\{hyperlink\}
496 \eqcommand{    }\{hypersetup\}
497 \eqcommand{    }\{hypertarget\}
498 \eqcommand{    }\{hyphenation\}
499 \eqcommand{    }\{hyphenchar\}
500 \eqcommand{    }\{hyphenpenalty\}
501 \eqcommand{@    }\{@ifclassloaded\}
502 \eqcommand{@    }\{@ifdefinable\}
503 \eqcommand{@    }\{@ifnextchar\}
504 \eqcommand{@    }\{@ifpackageloaded\}
505 \eqcommand{@    }\{@ifstar\}
506 \eqcommand{@    }\{@ifundefined\}
507 \eqcommand{ }\{if\}
508 \eqcommand{ @ }\{if@tempw\}
509 \eqcommand{   }\{ifcase\}

```



```

510 \eqcommand{ }{ifcat}
511 \eqcommand{ }{ifdefined}
512 \eqcommand{ }{ifdim}
513 \eqcommand{ }{ifeof}
514 \eqcommand{ }{iff}
515 \eqcommand{ }{iffalse}
516 \eqcommand{ }{IfFileExists}
517 \eqcommand{ }{ifhbox}
518 \eqcommand{ }{ifhmode}
519 \eqcommand{ }{ifinner}
520 \eqcommand{ }{ifmmode}
521 \eqcommand{ }{ifnum}
522 \eqcommand{ }{ifodd}
523 \eqcommand{ }{ifthenelse}
524 \eqcommand{ }{iftrue}
525 \eqcommand{ }{ifvbox}
526 \eqcommand{ }{ifvmode}
527 \eqcommand{ }{ifvoid}
528 \eqcommand{ }{ifx}
529 \eqcommand{ }{ignorespaces}
530 \eqcommand{ }{immediate}
531 \eqcommand{ }{include}
532 \eqcommand{ }{includegraphics}
533 \eqcommand{ }{includeonly}
534 \eqcommand{ }{indent}
535 \eqcommand{ }{index}
536 \eqcommand{ }{indexentry}
537 \eqcommand{ }{indexname}
538 \eqcommand{ }{indexspace}
539 \eqcommand{ }{input}
540 \eqcommand{ }{InputIfFileExists}
541 \eqcommand{ }{inputlineno}
542 \eqcommand{ }{insert}
543 \eqcommand{ }{insertpenalties}
544 \eqcommand{ }{interfootnotelinepenalty}
545 \eqcommand{ }{interdisplaylinepenalty}
546 \eqcommand{ }{interlinepenalty}
547 \eqcommand{ }{intertext}
548 \eqcommand{ }{intertextsep}
549 \eqcommand{ }{invisible}
550 \eqcommand{ }{itdefault}
551 \eqcommand{ }{itshape}
552 \eqcommand{ }{item}
553 \eqcommand{ }{itemindent}
554 \eqcommand{ }{itemsep}
555 \eqcommand{ }{iterate}
556 \eqcommand{ }{itshape}
557 \eqcommand{ }{jobname}
558 \eqcommand{ }{jot}
559 \eqcommand{ }{kern}

```



```

560 \eqcommand{ }{kill}
561 \eqcommand{ }{label}
562 \eqcommand{ }{labelenumi}
563 \eqcommand{ }{labelenumii}
564 \eqcommand{ }{labelenumiii}
565 \eqcommand{ }{labelenumiv}
566 \eqcommand{ }{labelitemi}
567 \eqcommand{ }{labelitemii}
568 \eqcommand{ }{labelitemiii}
569 \eqcommand{ }{labelitemiv}
570 \eqcommand{ }{labelsep}
571 \eqcommand{ }{labelwidth}
572 \eqcommand{ }{language}
573 \eqcommand{ }{large}
574 \eqcommand{ }{Large}
575 \eqcommand{ }{LARGE}
576 \eqcommand{ }{lastbox}
577 \eqcommand{ }{lastkern}
578 \eqcommand{ }{lastpenalty}
579 \eqcommand{ }{lastskip}
580 \eqcommand{ }{LaTeX}
581 \eqcommand{ }{LaTeXe}
582 \eqcommand{ }{lccode}
583 \eqcommand{ }{ldots}
584 \eqcommand{ }{leaders}
585 \eqcommand{ }{leavevmode}
586 \eqcommand{ }{left}
587 \eqcommand{ }{leftmargin}
588 \eqcommand{ }{leftmargini}
589 \eqcommand{ }{leftmarginii}
590 \eqcommand{ }{leftmarginiii}
591 \eqcommand{ }{leftmarginiv}
592 \eqcommand{ }{leftmarginv}
593 \eqcommand{ }{leftmarginvi}
594 \eqcommand{ }{leftmark}
595 \eqcommand{ }{leftpageskip}
596 \eqcommand{ }{leftskip}
597 \eqcommand{ }{let}
598 \eqcommand{ }{line}
599 \eqcommand{ }{linebreak}
600 \eqcommand{ }{linepenalty}
601 \eqcommand{ }{lineskip}
602 \eqcommand{ }{lineskiplimit}
603 \eqcommand{ }{linespread}
604 \eqcommand{ }{linethickness}
605 \eqcommand{ }{linewidth}
606 \eqcommand{ }{listfigurename}
607 \eqcommand{ }{listfiles}
608 \eqcommand{ }{listoffigures}
609 \eqcommand{ }{listoftables}

```



```

610 \eqcommand{      }{listparindent}
611 \eqcommand{      }{listtablename}
612 \eqcommand{      }{LoadClass}
613 \eqcommand{      }{LoadClassWithOptions}
614 \eqcommand{ }{location}
615 \eqcommand{ }{long}
616 \eqcommand{ }{looseness}
617 \eqcommand{ }{lower}
618 \eqcommand{@ }{@makeother}
619 \eqcommand{@ }{@m}
620 \eqcommand{ @ }{@M}
621 \eqcommand{ @ }{@Mi}
622 \eqcommand{ @ }{@Mii}
623 \eqcommand{ @ }{@Miii}
624 \eqcommand{ @ }{@Miv}
625 \eqcommand{ @ }{@MM}
626 \eqcommand{ @ }{@m@ne}
627 \eqcommand{ }{mag}
628 \eqcommand{ }{magstep}
629 \eqcommand{ }{magstephalf}
630 \eqcommand{ }{mainmatter}
631 \eqcommand{ }{makeatletter}
632 \eqcommand{ }{makeatother}
633 \eqcommand{ }{makebox}
634 \eqcommand{ }{makeglossary}
635 \eqcommand{ }{makeindex}
636 \eqcommand{ }{makelabel}
637 \eqcommand{ }{makelabels}
638 \eqcommand{ }{MakeLowercase}
639 \eqcommand{ }{maketitle}
640 \eqcommand{ }{MakeUppercase}
641 \eqcommand{ }{marginpar}
642 \eqcommand{ }{marginparpush}
643 \eqcommand{ }{marginparsep}
644 \eqcommand{ }{marginparwidth}
645 \eqcommand{ }{mark}
646 \eqcommand{ }{markboth}
647 \eqcommand{ }{markright}
648 \eqcommand{ }{mathaccent}
649 \eqcommand{ }{mathchar}
650 \eqcommand{ }{mathchardef}
651 \eqcommand{ }{mathcode}
652 \eqcommand{ }{mathrm}
653 \eqcommand{ }{maxdeadcycles}
654 \eqcommand{ }{maxdepth}
655 \eqcommand{ }{maxdimen}
656 \eqcommand{ }{mbox}
657 \eqcommand{ }{mdseries}
658 \eqcommand{ }{meaning}
659 \eqcommand{ }{mediumseries}

```



```

660 \eqcommand{      }{medmuskip}
661 \eqcommand{      }{medskip}
662 \eqcommand{      }{medskipamount}
663 \eqcommand{      }{medspace}
664 \eqcommand{ }{message}
665 \eqcommand{      }{MessageBreak}
666 \eqcommand{      }{minrowclearance}
667 \eqcommand{      }{mkern}
668 \eqcommand{ }{month}
669 \eqcommand{      }{moveleft}
670 \eqcommand{      }{moveright}
671 \eqcommand{      }{mskip}
672 \eqcommand{ @ }{m@th}
673 \eqcommand{      }{multicolumn}
674 \eqcommand{ }{multiply}
675 \eqcommand{      }{multispan}
676 \eqcommand{      }{muskip}
677 \eqcommand{      }{muskipdef}
678 \eqcommand{@ }{@namedef}
679 \eqcommand{@ }{@nameuse}
680 \eqcommand{ @ }{@ne}
681 \eqcommand{ }{name}
682 \eqcommand{      }{natural}
683 \eqcommand{      }{nearrow}
684 \eqcommand{      }{nearrower}
685 \eqcommand{      }{NeedsTeXFormat}
686 \eqcommand{ }{neg}
687 \eqcommand{      }{negmedspace}
688 \eqcommand{      }{negthickspace}
689 \eqcommand{      }{negthinspace}
690 \eqcommand{ }{newboolean}
691 \eqcommand{      }{newbox}
692 \eqcommand{      }{newcommand}
693 \eqcommand{      }{newcount}
694 \eqcommand{      }{newcounter}
695 \eqcommand{      }{newdimen}
696 \eqcommand{ }{newenvironment}
697 \eqcommand{      }{newfam}
698 \eqcommand{ }{newfont}
699 \eqcommand{      }{newhelp}
700 \eqcommand{      }{newinsert}
701 \eqcommand{      }{newlabel}
702 \eqcommand{      }{newlength}
703 \eqcommand{ }{newline}
704 \eqcommand{      }{newlinechar}
705 \eqcommand{      }{newmuskip}
706 \eqcommand{      }{newpage}
707 \eqcommand{      }{newread}
708 \eqcommand{      }{newsavebox}
709 \eqcommand{      }{newskip}

```



```

710 \eqcommand{    }\{newtheorem}
711 \eqcommand{    }\{newtoks}
712 \eqcommand{    }\{newwrite}
713 \eqcommand{    }\{noalign}
714 \eqcommand{    }\{nobreak}
715 \eqcommand{    }\{nobreakspace}
716 \eqcommand{    }\{nocite}
717 \eqcommand{    }\{noexpand}
718 \eqcommand{    }\{nofiles}
719 \eqcommand{    }\{noindent}
720 \eqcommand{    }\{nointerlineskip}
721 \eqcommand{    }\{nolimits}
722 \eqcommand{    }\{nolinebreak}
723 \eqcommand{    }\{nonstopmode}
724 \eqcommand{    }\{nonfrenchspacing}
725 \eqcommand{    }\{nonumber}
726 \eqcommand{    }\{nopagebreak}
727 \eqcommand{    }\{normalbaselines}
728 \eqcommand{    }\{normalbaselineskip}
729 \eqcommand{    }\{normalcolor}
730 \eqcommand{    }\{normalfont}
731 \eqcommand{    }\{normallineskip}
732 \eqcommand{    }\{normallineskiplimit}
733 \eqcommand{    }\{normalmarginpar}
734 \eqcommand{    }\{normalsize}
735 \eqcommand{    }\{notag}
736 \eqcommand{    }\{null}
737 \eqcommand{    }\{nullfont}
738 \eqcommand{    }\{number}
739 \eqcommand{    }\{numberline}
740 \eqcommand{    }\{numberwithin}
741 \eqcommand{    }\{@evenfoot}
742 \eqcommand{    }\{@evenhead}
743 \eqcommand{    }\{@oddfoot}
744 \eqcommand{    }\{@oddhead}
745 \eqcommand{    }\{@outeqntrue}
746 \eqcommand{    }\{@outeqnfalse}
747 \eqcommand{    }\{obeylines}
748 \eqcommand{    }\{obeyspaces}
749 \eqcommand{    }\{oddsidemargin}
750 \eqcommand{    }\{offinterlineskip}
751 \eqcommand{    }\{omit}
752 \eqcommand{@    }\{@onlypreamble}
753 \eqcommand{    }\{onecolumn}
754 \eqcommand{    }\{onlynotes}
755 \eqcommand{    }\{onlyslides}
756 \eqcommand{    }\{openin}
757 \eqcommand{    }\{openout}
758 \eqcommand{    }\{OptionNotUsed}
759 \eqcommand{    }\{or}

```




```

760 \eqcommand{ }{outer}
761 \eqcommand{ }{output}
762 \eqcommand{ }{outputpenalty}
763 \eqcommand{ }{overfullrule}
764 \eqcommand{@ }{@preamblecmds}
765 \eqcommand{@ }{p@}
766 \eqcommand{ }{PackageError}
767 \eqcommand{ }{PackageInfo}
768 \eqcommand{ }{PackageWarning}
769 \eqcommand{ }{PackageWarningNoLine}
770 \eqcommand{ }{pagebreak}
771 \eqcommand{ }{pagecolor}
772 \eqcommand{ }{pagedepth}
773 \eqcommand{ }{pagefilllstretch}
774 \eqcommand{ }{pagefillstretch}
775 \eqcommand{ }{pagefilstretch}
776 \eqcommand{ }{pagegoal}
777 \eqcommand{ }{pagename}
778 \eqcommand{ }{pagenumbering}
779 \eqcommand{ }{pageref}
780 \eqcommand{ }{pagerulewidth}
781 \eqcommand{ }{pageshrink}
782 \eqcommand{ }{pagestretch}
783 \eqcommand{ }{pagestyle}
784 \eqcommand{ }{pagetotal}
785 \eqcommand{ }{paperheight}
786 \eqcommand{ }{paperwidth}
787 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
788 \eqcommand{ }{paragraph}
789 \eqcommand{ }{parallel}
790 \eqcommand{ }{parbox}
791 \eqcommand{ }{parfillskip}
792 \eqcommand{ }{parindent}
793 \eqcommand{ }{parsep}
794 \eqcommand{ }{parshape}
795 \eqcommand{ }{parskip}
796 \eqcommand{ }{part}
797 \eqcommand{ }{partname}
798 \eqcommand{ }{partopsep}
799 \eqcommand{ }{PassOptionToClass}
800 \eqcommand{ }{PassOptionToPackage}
801 \eqcommand{ }{path}
802 \eqcommand{ }{patterns}
803 \eqcommand{ }{pausing}
804 \eqcommand{ }{penalty}
805 \eqcommand{ }{phantom}
806 \eqcommand{ }{poptabs}
807 \eqcommand{ }{postdisplaypenalty}
808 \eqcommand{ }{predisplaydirection}
809 \eqcommand{ }{predisplaypenalty}

```



```

810 \eqcommand{      }{predisplaysize}
811 \eqcommand{      }{pretolerance}
812 \eqcommand{      }{prevdepth}
813 \eqcommand{      }{prevgraf}
814 \eqcommand{      }{printindex}
815 \eqcommand{      }{ProcessOptions}
816 \eqcommand{ }{protect}
817 \eqcommand{      }{providecommand}
818 \eqcommand{      }{ProvidesClass}
819 \eqcommand{      }{ProvidesFile}
820 \eqcommand{      }{ProvidesPackage}
821 \eqcommand{      }{pushtabs}
822 \eqcommand{ }{quad}
823 \eqcommand{      }{qquad}
824 \eqcommand{@      }{@outputpagerestore}
825 \eqcommand{      }{radical}
826 \eqcommand{      }{raggedbottom}
827 \eqcommand{      }{raggedleft}
828 \eqcommand{      }{raggedright}
829 \eqcommand{      }{raise}
830 \eqcommand{      }{raisebox}
831 \eqcommand{      }{raisetag}
832 \eqcommand{      }{rangle}
833 \eqcommand{ }{rceil}
834 \eqcommand{      }{read}
835 \eqcommand{ }{ref}
836 \eqcommand{      }{reflectbox}
837 \eqcommand{      }{refname}
838 \eqcommand{      }{refstepcounter}
839 \eqcommand{ }{relax}
840 \eqcommand{      }{removelastskip}
841 \eqcommand{      }{renewcommand}
842 \eqcommand{      }{renewenvironment}
843 \eqcommand{      }{RequirePackage}
844 \eqcommand{      }{RequirePackageWithOptions}
845 \eqcommand{      }{resizebox}
846 \eqcommand{      }{reversemarginpar}
847 \eqcommand{ }{rfloor}
848 \eqcommand{ }{right}
849 \eqcommand{      }{rightmargin}
850 \eqcommand{      }{rightmark}
851 \eqcommand{      }{rightpageskip}
852 \eqcommand{      }{rightskip}
853 \eqcommand{      }{rmdefault}
854 \eqcommand{      }{rmfamily}
855 \eqcommand{      }{Roman}
856 \eqcommand{      }{roman}
857 \eqcommand{      }{romannumeral}
858 \eqcommand{      }{rotatebox}
859 \eqcommand{      }{rowcolor}

```



```

860 \eqcommand{ }{rule}
861 \eqcommand{@ }{@secondoftwo}
862 \eqcommand{@ }{@spaces}
863 \eqcommand{ }{samepage}
864 \eqcommand{ }{savebox}
865 \eqcommand{ }{sbox}
866 \eqcommand{ }{scalebox}
867 \eqcommand{ }{scdefault}
868 \eqcommand{ }{scshape}
869 \eqcommand{ }{setkeys}
870 \eqcommand{ }{scriptfont}
871 \eqcommand{ }{scriptscriptfont}
872 \eqcommand{ }{scriptscriptstyle}
873 \eqcommand{ }{scriptsize}
874 \eqcommand{ }{scripstyle}
875 \eqcommand{ }{scrollmode}
876 \eqcommand{ }{section}
877 \eqcommand{ }{secdef}
878 \eqcommand{ }{see}
879 \eqcommand{ }{seealso}
880 \eqcommand{ }{seename}
881 \eqcommand{ }{selectfont}
882 \eqcommand{ }{setboolean}
883 \eqcommand{ }{setbox}
884 \eqcommand{ }{setcounter}
885 \eqcommand{ }{setlength}
886 \eqcommand{ }{setminus}
887 \eqcommand{ }{SetSymbolFont}
888 \eqcommand{ }{settodepth}
889 \eqcommand{ }{settoheight}
890 \eqcommand{ }{settowidth}
891 \eqcommand{ }{sfcode}
892 \eqcommand{ }{sfdefault}
893 \eqcommand{ }{sffamily}
894 \eqcommand{ }{shadowbox}
895 \eqcommand{ }{sharp}
896 \eqcommand{ }{shipout}
897 \eqcommand{ }{shortstack}
898 \eqcommand{ }{show}
899 \eqcommand{ }{showbox}
900 \eqcommand{ }{showboxbreadth}
901 \eqcommand{ }{showboxdepth}
902 \eqcommand{ }{showlists}
903 \eqcommand{ }{showthe}
904 \eqcommand{ }{simplefontmode}
905 \eqcommand{ @}{sift@@n}
906 \eqcommand{ }{skewchar}
907 \eqcommand{ }{skip}
908 \eqcommand{ @}{skip@}
909 \eqcommand{ }{skipdef}

```



```

910 \eqcommand{      }\{sl\}
911 \eqcommand{      }\{sldefault\}
912 \eqcommand{      }\{slshape\}
913 \eqcommand{      }\{sloppy\}
914 \eqcommand{      }\{slshape\}
915 \eqcommand{      }\{small\}
916 \eqcommand{      }\{smallskip\}
917 \eqcommand{      }\{smallskipamount\}
918 \eqcommand{      }\{smash\}
919 \eqcommand{      }\{smile\}
920 \eqcommand{      }\{snglftlocatencode\}
921 \eqcommand{      }\{space\}
922 \eqcommand{      }\{spacefactor\}
923 \eqcommand{      }\{spaceskip\}
924 \eqcommand{      }\{spadesuit\}
925 \eqcommand{      }\{span\}
926 \eqcommand{      }\{special\}
927 \eqcommand{      }\{splitmaxdepth\}
928 \eqcommand{      }\{splittopskip\}
929 \eqcommand{      }\{star\}
930 \eqcommand{      }\{stepcounter\}
931 \eqcommand{      }\{stretch\}
932 \eqcommand{      }\{string\}
933 \eqcommand{      }\{strut\}
934 \eqcommand{      }\{strutbox\}
935 \eqcommand{      }\{subitem\}
936 \eqcommand{      }\{subparagraph\}
937 \eqcommand{      }\{subsection\}
938 \eqcommand{      }\{substack\}
939 \eqcommand{      }\{subsubitem\}
940 \eqcommand{      }\{subsubsection\}
941 \eqcommand{      }\{subset\}
942 \eqcommand{      }\{subseteq\}
943 \eqcommand{      }\{supereject\}
944 \eqcommand{      }\{suppressfloats\}
945 \eqcommand{@      }\{@tempa\}
946 \eqcommand{@      }\{@tempb\}
947 \eqcommand{@      }\{@tempc\}
948 \eqcommand{@      }\{@tempd\}
949 \eqcommand{@      }\{@tempe\}
950 \eqcommand{@      }\{@tempboxa\}
951 \eqcommand{@      }\{@tempcnta\}
952 \eqcommand{@      }\{@tempcntb\}
953 \eqcommand{@      }\{@tempdima\}
954 \eqcommand{@      }\{@tempdimb\}
955 \eqcommand{@      }\{@tempdimc\}
956 \eqcommand{@      }\{@tempskipa\}
957 \eqcommand{@      }\{@tempskipb\}
958 \eqcommand{@      }\{@tempswafalse\}
959 \eqcommand{@      }\{@tempswatruel\}

```



```

960 \eqcommand{@ }{@temptokena}
961 \eqcommand{ }{@thefnmark}
962 \eqcommand{@ }{@thirdofthree}
963 \eqcommand{ }{tabbingsep}
964 \eqcommand{ }{tabcolsep}
965 \eqcommand{ }{tableofcontents}
966 \eqcommand{ }{tablename}
967 \eqcommand{ }{tabskip}
968 \eqcommand{ }{tabularnewline}
969 \eqcommand{ }{tag}
970 \eqcommand{ }{telephone}
971 \eqcommand{ }{TeX}
972 \eqcommand{ }{text}
973 \eqcommand{ }{textbullet}
974 \eqcommand{ }{textfont}
975 \eqcommand{ }{textemdash}
976 \eqcommand{ }{textendash}
977 \eqcommand{ }{textexclamdown}
978 \eqcommand{ }{textperiodcentered}
979 \eqcommand{ }{textquestiondown}
980 \eqcommand{ }{textquotedblleft}
981 \eqcommand{ }{textquotedblright}
982 \eqcommand{ }{textquoteleft}
983 \eqcommand{ }{textquoteright}
984 \eqcommand{ }{textvisiblespace}
985 \eqcommand{ }{textbackslash}
986 \eqcommand{ }{textbar}
987 \eqcommand{ }{textgreater}
988 \eqcommand{ }{textless}
989 \eqcommand{ }{textbf}
990 \eqcommand{ }{textcircled}
991 \eqcommand{ }{textcolor}
992 \eqcommand{ }{textcompwordmark}
993 \eqcommand{ }{textfloatsep}
994 \eqcommand{ }{textfraction}
995 \eqcommand{ }{textheight}
996 \eqcommand{ }{textindent}
997 \eqcommand{ }{textit}
998 \eqcommand{ }{textmd}
999 \eqcommand{ }{textnormal}
1000 \eqcommand{ }{textregistered}
1001 \eqcommand{ }{textrm}
1002 \eqcommand{ }{textsc}
1003 \eqcommand{ }{textsf}
1004 \eqcommand{ }{textsl}
1005 \eqcommand{ }{textstyle}
1006 \eqcommand{ }{textsuperscript}
1007 \eqcommand{ }{texttrademark}
1008 \eqcommand{ }{texttt}
1009 \eqcommand{ }{textup}

```



```

1010 \eqcommand{      }{textwidth}
1011 \eqcommand{      }{thanks}
1012 \eqcommand{      }{the}
1013 \eqcommand{      }{thempfn}
1014 \eqcommand{      }{thicklines}
1015 \eqcommand{      }{thickmuskip}
1016 \eqcommand{      }{thinmuskip}
1017 \eqcommand{      }{thickspace}
1018 \eqcommand{      }{thinlines}
1019 \eqcommand{      }{thinspace}
1020 \eqcommand{      }{thisfancypage}
1021 \eqcommand{      }{thispagestyle}
1022 \eqcommand{ @}{thr@@}
1023 \eqcommand{ }{tilde}
1024 \eqcommand{ }{tiny}
1025 \eqcommand{ }{time}
1026 \eqcommand{ }{times}
1027 \eqcommand{ }{title}
1028 \eqcommand{ }{to}
1029 \eqcommand{ }{today}
1030 \eqcommand{ }{toks}
1031 \eqcommand{      }{toksdef}
1032 \eqcommand{      }{tolerance}
1033 \eqcommand{ }{top}
1034 \eqcommand{      }{topfigrule}
1035 \eqcommand{      }{topfraction}
1036 \eqcommand{      }{topmargin}
1037 \eqcommand{      }{topmark}
1038 \eqcommand{      }{toppageskip}
1039 \eqcommand{      }{topsep}
1040 \eqcommand{      }{topskip}
1041 \eqcommand{      }{totalheight}
1042 \eqcommand{      }{tracingall}
1043 \eqcommand{      }{tracingcommands}
1044 \eqcommand{      }{tracinglostchars}
1045 \eqcommand{      }{tracingmacros}
1046 \eqcommand{      }{tracingonline}
1047 \eqcommand{      }{tracingoutput}
1048 \eqcommand{      }{tracingpages}
1049 \eqcommand{      }{tracingparagraphs}
1050 \eqcommand{      }{tracingrestores}
1051 \eqcommand{      }{tracingstats}
1052 \eqcommand{ }{triangle}
1053 \eqcommand{      }{ttdefault}
1054 \eqcommand{      }{ttfamily}
1055 \eqcommand{ @}{tw@}
1056 \eqcommand{      }{twocolumn}
1057 \eqcommand{      }{typein}
1058 \eqcommand{      }{typeout}
1059 \eqcommand{      }{uccode}

```



```

1060 \eqcommand{      }\{uchyph}
1061 \eqcommand{      }\{underline}
1062 \eqcommand{      }\{unhbox}
1063 \eqcommand{      }\{unhcopy}
1064 \eqcommand{      }\{unitlength}
1065 \eqcommand{      }\{unkern}
1066 \eqcommand{      }\{unpenalty}
1067 \eqcommand{      }\{unskip}
1068 \eqcommand{      }\{unvbox}
1069 \eqcommand{      }\{unvcopy}
1070 \eqcommand{      }\{updefault}
1071 \eqcommand{      }\{upshape}
1072 \eqcommand{      }\{usebox}
1073 \eqcommand{      }\{usecounter}
1074 \eqcommand{      }\{usefont}
1075 \eqcommand{      }\{usepackage}
1076 \eqcommand{@      }\{@vobeyspaces}
1077 \eqcommand{@      }\{@void}
1078 \eqcommand{      }\{vadjust}
1079 \eqcommand{      }\{valign}
1080 \eqcommand{      }\{value}
1081 \eqcommand{      }\{vbadness}
1082 \eqcommand{      }\{vbox}
1083 \eqcommand{      }\{vcenter}
1084 \eqcommand{      }\{verb}
1085 \eqcommand{      }\{vfil}
1086 \eqcommand{      }\{vfill}
1087 \eqcommand{      }\{vfilneg}
1088 \eqcommand{      }\{vfuzz}
1089 \eqcommand{      }\{visible}
1090 \eqcommand{      }\{vline}
1091 \eqcommand{      }\{voffset}
1092 \eqcommand{      }\{@}{voidb@x}
1093 \eqcommand{      }\{vpageref}
1094 \eqcommand{      }\{vrboxsep}
1095 \eqcommand{      }\{vref}
1096 \eqcommand{      }\{vrule}
1097 \eqcommand{      }\{vsize}
1098 \eqcommand{      }\{vskip}
1099 \eqcommand{      }\{vspace}
1100 \eqcommand{      }\{vsplit}
1101 \eqcommand{      }\{vss}
1102 \eqcommand{      }\{vtop}
1103 \eqcommand{      }\{wd}
1104 \eqcommand{      }\{whiledo}
1105 \eqcommand{      }\{widehat}
1106 \eqcommand{      }\{widetilde}
1107 \eqcommand{      }\{widowpenalty}
1108 \eqcommand{      }\{width}
1109 \eqcommand{      }\{wlog}

```



```

1110 \eqcommand{ }{write}
1111 \eqcommand{@ }{@xobeysp}
1112 \eqcommand{ @ }{@xxxii}
1113 \eqcommand{ }{xdef}
1114 \eqcommand{ }{xleaders}
1115 \eqcommand{ }{xspaceskip}
1116 \eqcommand{ }{year}
1117 \eqcommand{@ }{z@}
1118 \eqcommand{@ }{z@skip}

```

7.19 color-localise-xepersian.def

```

1119 color{ } \-localise-xepersian.def}[2011/03/01 v0.1 localising color package]
1120 0}{rgb}{ } \0,,0}
1121 1}{rgb}{ } \1,,1}
1122 1}{rgb}{ } \0,,0}
1123 0}{rgb}{ } \1,,0}
1124 0}{rgb}{ } \0,,1}
1125 1}{cmyk}{ } \0,,0,0}
1126 0}{cmyk}{ } \1,,0,0}
1127 0}{cmyk}{ } \0,,1,0}

```

7.20 xepersian-localise-commands-xepersian.def

```

1128 \ProvidesFile{xepersian-localise-commands-xepersian.def}[2012/07/25 v0.2 Persian localisation]
1129 \eqcommand{ }{autofootnoterule}
1130 \eqcommand{ }{AutoMathsDigits}
1131 \eqcommand{ }{DefaultMathsDigits}
1132 \eqcommand{ @ }{keyval@eq@alias@key}
1133 \eqcommand{ }{deflatinfont}
1134 \eqcommand{ }{defpersianfont}
1135 \eqcommand{ }{hboxL}
1136 \eqcommand{ }{hboxR}
1137 \eqcommand{ }{Latincite}
1138 \eqcommand{ }{latinfont}
1139 \eqcommand{ }{latintoday}
1140 \eqcommand{ }{leftfootnoterule}
1141 \eqcommand{ }{lr}
1142 \eqcommand{ }{LRE}
1143 \eqcommand{ }{LTRdblcol}
1144 \eqcommand{ }{LTRfootnote}
1145 \eqcommand{ }{LTRfootnotetext}
1146 \eqcommand{ }{LTRthanks}
1147 \eqcommand{ }{persianday}
1148 \eqcommand{ }{persianfont}
1149 \eqcommand{ }{PersianMathsDigits}
1150 \eqcommand{ }{persianmonth}
1151 \eqcommand{ }{persianyear}
1152 \eqcommand{ }{plq}
1153 \eqcommand{ }{prq}
1154 \eqcommand{ }{rightfootnoterule}

```




```

1155 \eqcommand{      }\{rl\}
1156 \eqcommand{      }\{RLE\}
1157 \eqcommand{      }\{RTLdblcol\}
1158 \eqcommand{      }\{RTLfootnote\}
1159 \eqcommand{      }\{RTLfootnotetext\}
1160 \eqcommand{      }\{RTLthanks\}
1161 \eqcommand{@      }\{@SepMark\}
1162 \eqcommand{      }\{SepMark\}
1163 \eqcommand{      }\{setdefaultbibitems\}
1164 \eqcommand{      }\{setdefaultmarginpar\}
1165 \eqcommand{      }\{setdigitfont\}
1166 \eqcommand{      }\{setfootnoteLR\}
1167 \eqcommand{      }\{setfootnoteRL\}
1168 \eqcommand{      }\{setlatintextfont\}
1169 \eqcommand{      }\{setLTR\}
1170 \eqcommand{      }\{setLTRbibitems\}
1171 \eqcommand{      }\{setLTRmarginpar\}
1172 \eqcommand{      }\{setRTL\}
1173 \eqcommand{      }\{setRTLbibitems\}
1174 \eqcommand{      }\{setRTLMarginpar\}
1175 \eqcommand{      }\{settextfont\}
1176 \eqcommand{      }\{textwidthfootnoterule\}
1177 \eqcommand{      }\{twocolumnstableofcontents\}
1178 \eqcommand{      }\{unsetfootnoteRL\}
1179 \eqcommand{      }\{unsetLTR\}
1180 \eqcommand{      }\{unsetRTL\}
1181 \eqcommand{      }\{vboxL\}
1182 \eqcommand{      }\{vboxR\}
1183 \eqcommand{      }\{XeLaTeX\}
1184 \eqcommand{      }\{XePersian\}
1185 \eqcommand{      }\{xepersianversion\}
1186 \eqcommand{      }\{xepersiandate\}
1187 \eqcommand{      }\{XeTeX\}

```

7.21 enumerate-xepersian.def

```

1188 \ProvidesFile{enumerate-xepersian.def}[2010/07/25 v0.1 adaptations for enumerate package]
1189 \def\@enloop@{
1190   \ifx entemp@ \def\@tempa{\@enLabel\harfi } \else
1191   \ifx entemp@ \def\@tempa{\@enLabel\adadi } \else
1192   \ifx entemp@ \def\@tempa{\@enLabel\tartibi } \else
1193   \ifx A\entemp \def\@tempa{\@enLabel\Alph } \else
1194   \ifx a\entemp \def\@tempa{\@enLabel\alph } \else
1195   \ifx i\entemp \def\@tempa{\@enLabel\roman } \else
1196   \ifx I\entemp \def\@tempa{\@enLabel\Roman } \else
1197   \ifx l\entemp \def\@tempa{\@enLabel\arabic} \else
1198   \ifx \@sptoken\entemp \let\@tempa\@enSpace \else
1199   \ifx \bgroup\entemp \let\@tempa\@enGroup \else
1200   \ifx \@enum@\entemp \let\@tempa\@gobble \else
1201   \let\@tempa\@enOther

```




```

1247 \eqenvironment{    }\{split}
1248 \eqenvironment{    }\{subarray}
1249 \eqenvironment{    }\{tabbing}
1250 \eqenvironment{    }\{table}
1251 \eqenvironment{    }\{*table*}
1252 \eqenvironment{    }\{tabular}
1253 \eqenvironment{    }\{*tabular*}
1254 \eqenvironment{    }\{thebibliography}
1255 \eqenvironment{    }\{theindex}
1256 \eqenvironment{    }\{titlepage}
1257 \eqenvironment{    }\{trivlist}
1258 \eqenvironment{    }\{verse}

```

7.24 xepersian-localise-environments-xepersian.def

```

1259 \ProvidesFile{xepersian-localise-environments-xepersian.def}[2010/07/25 v0.1 Persian localisat
1260 \eqenvironment{    }\{latin}
1261 \eqenvironment{    }\{LTR}
1262 \eqenvironment{    }\{LTRitems}
1263 \eqenvironment{    }\{modernpoem}
1264 \eqenvironment{    }\{*modernpoem*}
1265 \eqenvironment{    }\{persian}
1266 \eqenvironment{    }\{RTL}
1267 \eqenvironment{    }\{RTLitems}
1268 \eqenvironment{    }\{traditionalpoem}
1269 \eqenvironment{    }\{*traditionalpoem*}

```

7.25 extarticle-xepersian.def

```

1270 \ProvidesFile{extarticle-xepersian.def}[2010/07/25 v0.1 adaptations for extarticle class]
1271 \renewcommand\thepart      {\@tartibi\c@part}
1272 \renewcommand\appendix{\par
1273   \setcounter{section}{0}%
1274   \setcounter{subsection}{0}%
1275   \gdef\thesection{\@harfi\c@section}}

```

7.26 extbook-xepersian.def

```

1276 \ProvidesFile{extbook-xepersian.def}[2010/07/25 v0.1 adaptations for extbook class]
1277 \renewcommand\frontmatter{%
1278   \cleardoublepage
1279   \@mainmatterfalse
1280   \pagenumbering{harfi}}
1281 \renewcommand \thepart {\@tartibi\c@part}
1282 \renewcommand\appendix{\par
1283   \setcounter{chapter}{0}%
1284   \setcounter{section}{0}%
1285   \gdef\@chapapp{\appendixname}%
1286   \gdef\thechapter{\@harfi\c@chapter}
1287 }%end appendix

```

7.27 extrafootnotefeatures-xepersian.def



```

1288 \ProvidesFile{extrafootnotefeatures-xepersian.def}[2012/01/01 v0.2 footnote macros for extrafo
1289 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1290 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1291 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}

```

7.28 extreport-xepersian.def

```

1292 \ProvidesFile{extreport-xepersian.def}[2010/07/25 v0.1 adaptations for extreport class]
1293 \renewcommand\thepart {\@tartibi\c@part}
1294 \renewcommand\appendix{\par
1295 \setcounter{chapter}{0}%
1296 \setcounter{section}{0}%
1297 \gdef\@chapapp{\appendixname}%
1298 \gdef\thechapter{\@harfi\c@chapter}}

```

7.29 flowfram-xepersian.def

```

1299 \ProvidesFile{flowfram-xepersian.def}[2010/07/25 v0.1 adaptations for flowfram package]
1300 \def\@outputpage{%
1301 \begingroup
1302 \let\protect\noexpand
1303 \@resetactivechars
1304 \global\let\@@if@newlist\if@newlist
1305 \global\@newlistfalse\@parboxrestore
1306 \shipout\vbox{\set@typeset@protect
1307 \aftergroup
1308 \endgroup
1309 \aftergroup
1310 \set@typeset@protect
1311 \reset@font\normalsize\normalsfcodes
1312 \let\label\@gobble
1313 \let\index\@gobble
1314 \let\glossary\@gobble
1315 \baselineskip\z@skip
1316 \lineskip\z@skip
1317 \lineskiplimit\z@
1318 \vskip\topmargin\moveright\@themargin
1319 \vbox{%
1320 \vskip\headheight
1321 \vskip\headsep
1322 \box\@outputbox
1323 }}%
1324 \global\let\if@newlist\@@if@newlist
1325 \stepcounter{page}%
1326 \setcounter{displayedframe}{0}%
1327 \let\firstmark\botmark}

```

7.30 footnote-xepersian.def

```

1328 \ProvidesFile{footnote-xepersian.def}[2017/08/09 v0.6 footnote macros for xepersian package]
1329
1330 \renewcommand*{\bidi@@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}

```



```

1331
1332 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1333
1334 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1335

```

7.31 framed-xepersian.def

```

1336 \ProvidesFile{framed-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed package]
1337 \renewenvironment{titled-frame}[1]{%
1338   \def\FrameCommand{\fboxsep8pt\fboxrule2pt
1339     \TitleBarFrame{\textbf{#1}}}%
1340   \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1341     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1342   \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1343     \TitleBarFrame[{\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1} (\if@RTL
1344   \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1345     \TitleBarFrame{\textbf{#1} (\if@RTL else\ cont\fi)}}}%
1346   \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1347 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1348 % could interfere with the width measurement.
1349 {\endMakeFramed}

```

7.32 glossaries-xepersian.def

```

1350 \ProvidesFile{glossaries-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for glossaries package]
1351 \glsaddprotectedpagefmt{@harfi}
1352 \glsaddprotectedpagefmt{@tartibi}
1353 \glsaddprotectedpagefmt{@adadi}

```

7.33 hyperref-xepersian.def

```

1354 \ProvidesFile{hyperref-xepersian.def}[2015/02/02 v0.6 bilingual captions for hyperref package]
1355 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1356 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1357 \def\itemautorefname{\if@RTL else\ item\fi}%
1358 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1359 \def\tableautorefname{\if@RTL else\ Table\fi}%
1360 \def\partautorefname{\if@RTL else\ Part\fi}%
1361 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1362 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1363 \def\sectionautorefname{\if@RTL else\ section\fi}%
1364 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1365 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1366 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1367 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1368 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1369 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1370 \def\pageautorefname{\if@RTL else\ page\fi}%
1371 \AtBeginDocument{%
1372 \let\HyOrg@appendix\appendix
1373 \def\appendix{%

```



```

1374 \ltx@ifundefined{chapter}%
1375   {\gdef\theHsection{\Alph{section}}}%
1376   {\gdef\theHchapter{\Alph{chapter}}}%
1377 \xdef\Hy@chapapp{\Hy@appendixstring}%
1378 \HyOrg@appendix
1379 }
1380 }
1381 \pdfstringdefDisableCommands{%
1382 \let\lr\@firstofone
1383 \let\rl\@firstofone
1384 \def\XePersian{\XePersian}
1385 }
1386 \ltx@ifundefined{@resets@pp}{%
1387 }{%
1388 \let\HyOrg@resets@pp\@resets@pp
1389 \def\@resets@pp{%
1390 \ltx@ifundefined{chapter}{%
1391 \gdef\theHsection{\Hy@AlphNoErr{section}}%
1392 }{%
1393 \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1394 }%
1395 \xdef\Hy@chapapp{\Hy@appendixstring}%
1396 \HyOrg@resets@pp
1397 }%
1398 }

```

7.34 imspc-xepersian.def

```

1399 \ProvidesFile{imspc-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imspc class f
1400
1401 \renewcommand \thepart {\@tartibi\c@part}
1402 \def\appendix{\par\c@section\z@ \c@subsection\z@
1403 \let\sectionname\appendixname
1404 \def\thesection{\@harfi\c@section}}
1405

```

7.35 kashida-xepersian.def

```

1406 \ProvidesFile{kashida-xepersian.def}[2016/09/09 v0.5 implementation of Kashida for xepersian p
1407 \chardef\xepersian@zwj="200D % zero-width joiner
1408
1409 \chardef\xepersian@D=10 % dual-joiner class
1410 \chardef\xepersian@L=11 % lam
1411 \chardef\xepersian@R=12 % right-joiner
1412 \chardef\xepersian@A=13 % alef
1413 \chardef\xepersian@V=4096 % vowel or other combining mark (to be ignored)
1414 \newif@if@Kashida@on
1415 \def\xepersian@kashida{\if@Kashida@on\xepersian@zwj\nobreak%
1416 \leaders\hrule height \XeTeXglyphbounds\tw@ \the\XeTeXcharglyph"0640 depth \XeTeXglyphbou
1417
1418 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%

```



```

1419 \expandafter\dosetclass\charlist,\end}
1420 \def\dosetclass#1,#2\end{%
1421   \def\test{#1}\def\charlist{#2}%
1422   \ifx\test\empty\let\next\finishsetclass
1423   \else \XeTeXcharclass "\test = \theclass
1424     \let\next\dosetclass \fi
1425   \expandafter\next\charlist,,\end}
1426 \def\finishsetclass#1,,\end{}
1427
1428 \setclass \xepersian@A {0622,0623,0625,0627}
1429 \setclass \xepersian@R {0624,0629,062F,0630,0631,0632,0648,0698}
1430 \setclass \xepersian@D {0626,0628,062A,062B,062C,062D,062E}
1431 \setclass \xepersian@D {0633,0634,0635,0636,0637,0638,0639,063A}
1432 \setclass \xepersian@D {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1433 \setclass \xepersian@D {067E,0686,06A9,06AF,06CC}
1434 \setclass \xepersian@L {0644}
1435 \setclass \xepersian@V {064B,064C,064D,064E,064F,0650,0651,0652}
1436
1437 \XeTeXinterchartoks \xepersian@D \xepersian@D = {\xepersian@kashida}
1438 \XeTeXinterchartoks \xepersian@L \xepersian@D = {\xepersian@kashida}
1439 \XeTeXinterchartoks \xepersian@D \xepersian@L = {\xepersian@kashida}
1440 \XeTeXinterchartoks \xepersian@L \xepersian@L = {\xepersian@kashida}
1441 \XeTeXinterchartoks \xepersian@D \xepersian@R = {\xepersian@kashida}
1442 \XeTeXinterchartoks \xepersian@D \xepersian@A = {\xepersian@kashida}
1443 \XeTeXinterchartoks \xepersian@L \xepersian@R = {\xepersian@kashida}
1444 \XeTeXinterchartoks \xepersian@L \xepersian@A = {}
1445
1446 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1447 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1448 \KashidaOn

```

7.36 listings-xepersian.def

```

1449 \ProvidesFile{listings-xepersian.def}[2014/07/17 v0.3 bilingual captions for listings package]
1450 \def\lstlistingname{\if@RTL else\   Listing\fi}
1451 \def\lstlistlistingname{\if@RTL   else\   Listings\fi}

```

7.37 loadingorder-xepersian.def

```

1452 \ProvidesFile{loadingorder-xepersian.def}[2017/09/06 v0.4 making sure that xepersian is the la
1453 \bidi@isloaded{algorithmic}
1454 \bidi@isloaded{algorithm}
1455 \bidi@isloaded{backref}
1456 \bidi@isloaded{enumerate}
1457 \bidi@isloaded{enumitem}
1458 \bidi@isloaded{tocloft}
1459 \bidi@isloaded{url}
1460 \AtBeginDocument{
1461   \if@bidi@algorithmicloaded\else
1462     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithmic after xe
1463   \fi%

```



```

1464 \if@bidi@algorithmloaded@\else
1465     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package algorithm after xepersian}{}]
1466 \fi%
1467 \if@bidi@backrefloaded@\else
1468     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package backref after xepersian}{}]
1469 \fi%
1470 \if@bidi@enumerateloaded@\else
1471     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumerate after xepersian}{}]
1472 \fi%
1473 \if@bidi@enumitemloaded@\else
1474     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package enumitem after xepersian}{}]
1475 \fi%
1476 \if@bidi@tocloftloaded@\else
1477     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package tocloft after xepersian}{}]
1478 \fi%
1479 \if@bidi@urllloaded@\else
1480     \bidi@isloaded[\PackageError{xepersian}{Oops! you have loaded package url after xepersian}{}]
1481 \fi%
1482 }

```

7.38 localise-xepersian.def

```

1483 \ProvidesFile{localise-xepersian.def}[2014/07/10 v0.2b Persian localisation of LaTeX2e]
1484 \newcommand{\makezwnjletter}{\catcode`\=11\relax}
1485 \makezwnjletter
1486 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1487 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{\csname#2\endcsname}{\csname end#2\endcsname}}
1488 \@ifpackageloaded{keyval}{%
1489 \newcommand*\keyval@eq@alias@key[4][KV]{%
1490     \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1491     \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1492 }{\@ifpackageloaded{xkeyval}{%
1493 \newcommand*\keyval@eq@alias@key[4][KV]{%
1494     \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1495     \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1496 }{}}
1497 \input{latex-localise-commands-xepersian.def}
1498 \input{xepersian-localise-commands-xepersian.def}
1499 \input{latex-localise-environments-xepersian.def}
1500 \input{xepersian-localise-environments-xepersian.def}
1501 \input{latex-localise-messages-xepersian.def}
1502 \input{latex-localise-misc-xepersian.def}
1503 \input{packages-localise-xepersian.def}
1504 \aliasfontfeature{ExternalLocation}{ }
1505 \aliasfontfeature{ExternalLocation}{ }
1506 \aliasfontfeature{Renderer}{ }
1507 \aliasfontfeature{BoldFont}{ }
1508 \aliasfontfeature{Language}{ }
1509 \aliasfontfeature{Script}{ }
1510 \aliasfontfeature{UprightFont}{ }

```




```

1511 \aliasfontfeature{ItalicFont}{      }
1512 \aliasfontfeature{BoldItalicFont}{    }
1513 \aliasfontfeature{SlantedFont}{      }
1514 \aliasfontfeature{BoldSlantedFont}{    }
1515 \aliasfontfeature{SmallCapsFont}{      }
1516 \aliasfontfeature{UprightFeatures}{    }
1517 \aliasfontfeature{BoldFeatures}{      }
1518 \aliasfontfeature{ItalicFeatures}{      }
1519 \aliasfontfeature{BoldItalicFeatures}{  }
1520 \aliasfontfeature{SlantedFeatures}{    }
1521 \aliasfontfeature{BoldSlantedFeatures}{  }
1522 \aliasfontfeature{SmallCapsFeatures}{  }
1523 \aliasfontfeature{SizeFeatures}{      }
1524 \aliasfontfeature{Scale}{            }
1525 \aliasfontfeature{WordSpace}{        }
1526 \aliasfontfeature{PunctuationSpace}{  }
1527 \aliasfontfeature{FontAdjustment}{    }
1528 \aliasfontfeature{LetterSpace}{      }
1529 \aliasfontfeature{HyphenChar}{        }
1530 \aliasfontfeature{Color}{            }
1531 \aliasfontfeature{Opacity}{          }
1532 \aliasfontfeature{Mapping}{          }
1533 \aliasfontfeature{Weight}{           }
1534 \aliasfontfeature{Width}{            }
1535 \aliasfontfeature{OpticalSize}{        }
1536 \aliasfontfeature{FakeSlant}{         }
1537 \aliasfontfeature{FakeStretch}{       }
1538 \aliasfontfeature{FakeBold}{          }
1539 \aliasfontfeature{AutoFakeSlant}{      }
1540 \aliasfontfeature{AutoFakeBold}{       }
1541 \aliasfontfeature{Ligatures}{          }
1542 \aliasfontfeature{Alternate}{          }
1543 \aliasfontfeature{Variant}{           }
1544 \aliasfontfeature{Variant}{           }
1545 \aliasfontfeature{CharacterVariant}{    }
1546 \aliasfontfeature{Style}{             }
1547 \aliasfontfeature{Annotation}{        }
1548 \aliasfontfeature{RawFeature}{         }
1549 \aliasfontfeature{CharacterWidth}{     }
1550 \aliasfontfeature{Numbers}{           }
1551 \aliasfontfeature{Contextuals}{        }
1552 \aliasfontfeature{Diacritics}{         }
1553 \aliasfontfeature{Letters}{            }
1554 \aliasfontfeature{Kerning}{           }
1555 \aliasfontfeature{VerticalPosition}{    }
1556 \aliasfontfeature{Fractions}{          }
1557 \aliasfontfeatureoption{Language}{Default}{  }
1558 \aliasfontfeatureoption{Language}{Parsi}{    }
1559 \aliasfontfeatureoption{Script}{Parsi}{      }
1560 \aliasfontfeatureoption{Script}{Latin}{      }

```



```

1561 \aliasfontfeatureoption{Style}{MathScript}{      }
1562 \aliasfontfeatureoption{Style}{MathScriptScript}{      }

```

7.39 memoir-xepersian.def

```

1563 \ProvidesFile{memoir-xepersian.def}[2010/07/25 v0.1 adaptations for memoir class]
1564 \renewcommand{\@memfront}{%
1565   \smemfront\pagenumbering{harfi}}
1566 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1567 \renewcommand*{\thebook}{\@tartibi\c@book}
1568 \renewcommand*{\thepart}{\@tartibi\c@part}
1569 \renewcommand{\appendix}{\par
1570   \setcounter{chapter}{0}%
1571   \setcounter{section}{0}%
1572   \gdef\@chapapp{\appendixname}%
1573   \gdef\thechapter{\@harfi\c@chapter}%
1574   \anappendixtrue}

```

7.40 latex-localise-messages-xepersian.def

```

1575 latex} \-localise-messages-xepersian.def}[2011/03/01 v0.1 localising LaTeX2e messages]

```

7.41 minitoc-xepersian.def

```

1576 \ProvidesFile{minitoc-xepersian.def}[2010/07/25 v0.1 bilingual captions for minitoc package]
1577 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1578 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1579 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1580 \def\mtctitle{\if@RTL else\ Contents\fi}%
1581 \def\mlftitle{\if@RTL else\ Figures\fi}%
1582 \def\mltttitle{\if@RTL else\ Tables\fi}%
1583 \def\stctitle{\if@RTL else\ Contents\fi}%
1584 \def\slftitle{\if@RTL else\ Figures\fi}%
1585 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

7.42 latex-localise-misc-xepersian.def

```

1586 \ProvidesFile{latex-localise-misc-xepersian.def}[2012/01/01 v0.2 miscellaneous Persian localis
1587 %}1# \ \
1588 \@ \ \ @ \ \
1589 \1# \
1590 \1# @\
1591 \1# @\
1592 {\@ \ \
1593 %}2#1# @\ \
1594 %1# \ \ @\ \ \ \ \
1595 \2# \ \ @\ \
1596 {{2#1# \}}
1597 undefined\ \ \
1598
1599 %{\ \ \ \ \1#} \ \} \1# \ \
1600 \ \ \ \ \
1601 \ \ \

```



```

1602
1603
1604 \ \ \ \%} \#1
1605 \1#} \ \ \% \
1606 \ \ \
1607 }%
1608 \
1609 \ \ \
1610 }
1611 \= \ \
1612
1613
1614 \@ifdefinitionfileloaded{latex-xetex-bidi}{%
1615 \def\@xfloat #1[#2]{%
1616 \@nodocument
1617 \def \@captive {#1}%
1618 \def \@fps {#2}%
1619 \@onelevel@sanitize \@fps
1620 \def \reserved@a {!}%
1621 \ifx \reserved@a \@fps
1622 \@fpsadddefault
1623 \else
1624 \ifx \@fps \@empty
1625 \@fpsadddefault
1626 \fi
1627 \fi
1628 \ifhmode
1629 \@bsphack
1630 \@floatpenalty -\@Mii
1631 \else
1632 \@floatpenalty-\@Miii
1633 \fi
1634 \ifinner
1635 \@parmoderr\@floatpenalty\z@
1636 \else
1637 \@next\@currbox\@freelist
1638 {%
1639 \@tempcnta \sixt@@n
1640 \expandafter \@tfor \expandafter \reserved@a
1641 \expandafter :\expandafter =\@fps
1642 \do
1643 {%
1644 \if \reserved@a h%
1645 \ifodd \@tempcnta
1646 \else
1647 \advance \@tempcnta \@ne
1648 \fi
1649 \fi
1650 \if \reserved@a %
1651 \ifodd \@tempcnta

```



```

1652         \else
1653         \advance \@tempcnta \@ne
1654         \fi
1655     \fi
1656     \if \reserved@a t%
1657     \setfpsbit \tw@
1658     \fi
1659     \if \reserved@a %
1660     \setfpsbit \tw@
1661     \fi
1662     \if \reserved@a b%
1663     \setfpsbit 4%
1664     \fi
1665     \if \reserved@a %
1666     \setfpsbit 4%
1667     \fi
1668     \if \reserved@a p%
1669     \setfpsbit 8%
1670     \fi
1671     \if \reserved@a %
1672     \setfpsbit 8%
1673     \fi
1674     \if \reserved@a !%
1675     \ifnum \@tempcnta>15
1676     \advance\@tempcnta -\sixt@@n\relax
1677     \fi
1678     \fi
1679     }%
1680     \@tempcntb \csname ftype@\@capytype \endcsname
1681     \multiply \@tempcntb \@xxxii
1682     \advance \@tempcnta \@tempcntb
1683     \global \count\@currbox \@tempcnta
1684     }%
1685     \fltovf
1686 \fi
1687 \global \setbox\@currbox
1688 \color@vbox
1689 \normalcolor
1690 \vbox \bgroup
1691 \hsize\columnwidth
1692 \@parboxrestore
1693 \@floatboxreset
1694 }
1695 \let\bm@ \bm@c
1696 \let\bm@ \bm@l
1697 \let\bm@ \bm@r
1698 \let\bm@ \bm@b
1699 \let\bm@ \bm@t
1700 \let\bm@ \bm@s
1701 \long\def\@iiiiparbox#1#2[#3]#4#5{%

```



```

1702 \leavevmode
1703 \@pboxswfalse
1704 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1705 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else\
1706 \setlength\@tempdima{#4}%
1707 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1708 \ifx\relax#2\else
1709 \setlength\@tempdimb{#2}%
1710 \edef\@parboxto{to\the\@tempdimb}%
1711 \fi
1712 \if#1b\vbox
1713 \else\if#1\vbox
1714 \else\if#1t\top
1715 \else\if#1\top
1716 \else\ifmmode\center
1717 \else\@pboxswtrue $\center
1718 \fi\fi\fi\fi\fi
1719 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1720 \csname bm@#3\endcsname}%
1721 \if@pboxsw \m@th$\fi
1722 \@end@tempboxa}
1723 \def\@iiiminipage#1#2[#3]#4{%
1724 \leavevmode
1725 \@pboxswfalse
1726 \if@hboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1727 \if@RTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\els
1728 \setlength\@tempdima{#4}%
1729 \def\@mpargs{#1}#2[#3]#4}%
1730 \setbox\@tempboxa\vbox\bgroup
1731 \color@begingroup
1732 \hsize\@tempdima
1733 \textwidth\hsize \columnwidth\hsize
1734 \@parboxrestore
1735 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1736 \let\@footnotetext\mpfootnotetext
1737 \let\@LTRfootnotetext\@mpLTRfootnotetext
1738 \let\@RTLfootnotetext\@mpRTLfootnotetext
1739 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1740 \@minipagerestore
1741 \@setminipage}
1742 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1743 \ifnum \@lastchclass=3 5 \else
1744 \z@ \if #1c\@chnum \z@ \else
1745 \if #1\@chnum \z@ \else
1746 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1747 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1748 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1749 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1750 \@chclass \if #1\@ne \else
1751 \if #1\@tw@ \else

```



```

1752             \if #1p3      \else
1753             \if 3 #1      \else           \z@ \@preamerr 0\fi
1754 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1755 \fi}%
1756 {}
1757 \ifdefinitionfileloaded{array-xetex-bidi}{%
1758 \def\@testpach{\@chclass
1759 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1760 \ifnum \@lastchclass=7 5 \else
1761 \ifnum \@lastchclass=8 \tw@ \else
1762 \ifnum \@lastchclass=9 \thr@@
1763 \else \z@
1764 \ifnum \@lastchclass = 10 \else
1765 \edef\@nextchar{\expandafter\string\@nextchar}%
1766 \@chnum
1767 \if \@nextchar c\z@ \else
1768 \if \@nextchar @z\ \else
1769 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1770 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1771 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1772 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1773 \z@ \@chclass
1774 \if \@nextchar |\@ne \else
1775 \if \@nextchar !6 \else
1776 \if \@nextchar @7 \else
1777 \if \@nextchar <8 \else
1778 \if \@nextchar >9 \else
1779 10
1780 \@chnum
1781 \if \@nextchar m\thr@@\else
1782 \if \@nextchar thr@@\else\
1783 \if \@nextchar p4 \else
1784 \if \@nextchar 4 \else
1785 \if \@nextchar b5 \else
1786 \if \@nextchar 5 \else
1787 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi
1788 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1789 {}
1790 \ifdefinitionfileloaded{arydshln-xetex-bidi}{
1791 \ifadl@usingarypkg
1792 \def\@testpach{\@chclass
1793 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1794 \ifnum \@lastchclass=7 5 \else
1795 \ifnum \@lastchclass=8 \tw@ \else
1796 \ifnum \@lastchclass=9 \thr@@
1797 \else \z@
1798 \ifnum \@lastchclass = 10 \else
1799 \edef\@nextchar{\expandafter\string\@nextchar}%
1800 \@chnum
1801 \if \@nextchar c\z@ \else

```



```

1802 \if \@nextchar @z\ \else
1803 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1804 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1805 \if \@nextchar \if@RTLtab l\else r\fi\tw@ \else
1806 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1807 \z@ \@chclass
1808 \if \@nextchar |\@ne \let\@arrayrule\adl@arrayrule \else
1809 \if \@nextchar :\@ne \let\@arrayrule\adl@arraydashrule \else
1810 \if \@nextchar ;\@ne \let\@arrayrule\adl@argarraydashrule \else
1811 \if \@nextchar !6 \else
1812 \if \@nextchar @7 \else
1813 \if \@nextchar <8 \else
1814 \if \@nextchar >9 \else
1815 10
1816 \@chnum
1817 \if \@nextchar m\thr@@\else
1818 \if \@nextchar thr@@\else\
1819 \if \@nextchar p4 \else
1820 \if \@nextchar 4 \else
1821 \if \@nextchar b5 \else
1822 \if \@nextchar 5 \else
1823 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1824 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1825
1826 \def\@classz{\@classx
1827 \@tempcnta \count@
1828 \prepnext@tok
1829 \@addtopreamble{\ifcase \@chnum
1830 \hfil
1831 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1832 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1833 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1834 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1835 \adl@endmbox\or
1836 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1837 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1838 \fi}\prepnext@tok}
1839 \def\adl@class@start{4}
1840 \def\adl@class@iiiorvii{7}
1841
1842 \else
1843 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1844 \ifnum \@lastchclass=\thr@@ 5\relax \else
1845 \z@ \if #1c\@chnum \z@ \else
1846 \if \@chnum\z@\ #1 \else
1847 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1848 \if \if@RTLtab#1\else#1\fi\@chnum \@ne \else
1849 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1850 \if \if@RTLtab#1\else#1\fi\@chnum \tw@ \else
1851 \@chclass

```



```

1852          \if #1|\@ne \let\@arrayrule\adl@arrayrule \else
1853          \if #1:\@ne \let\@arrayrule\adl@arraydashrule \else
1854          \if #1;\@ne \let\@arrayrule\adl@argarraydashrule \else
1855          \if #1@\tw@ \else
1856          \if #1p\thr@@ \else
1857          \if @\thr\ #1 \else\z@ \@preamerr 0\fi
1858      \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1859
1860 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1861          \or \or \@addamp \or
1862          \@acolampacol \or \@firststampfalse \@acol \fi
1863      \edef\@preamble{\@preamble
1864          \ifcase \@chnum
1865              \hfil\adl@putlrc{\$ \relax\@sharp$}\hfil
1866              \or \adl@putlrc{\$ \relax\@sharp$}\hfil
1867              \or \hfil\adl@putlrc{\$ \relax\@sharp$}\fi}}
1868 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
1869          \or \or \@addamp \or
1870          \@acolampacol \or \@firststampfalse \@acol \fi
1871      \edef\@preamble{\@preamble
1872          \ifcase \@chnum
1873              \hfil\adl@putlrc{\@sharp\unskip}\hfil
1874              \or \adl@putlrc{\@sharp\unskip}\hfil
1875              \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
1876 \def\adl@class@start{6}
1877 \def\adl@class@iiiorvii{3}
1878 \fi
1879 }{}
1880 \@ifdefinitionfileloaded{tabulary-xetex-bidi}{%
1881 \def\@testpach{\@chclass
1882     \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1883     \ifnum \@lastchclass=7 5 \else
1884     \ifnum \@lastchclass=8 \tw@ \else
1885     \ifnum \@lastchclass=9 \thr@@
1886     \else \z@
1887     \ifnum \@lastchclass = 10 \else
1888     \edef\@nextchar{\expandafter\string\@nextchar}%
1889     \@chnum
1890     \if \@nextchar c\z@ \else
1891     \if \@nextchar @z\ \else
1892     \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1893     \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1894     \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1895     \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1896     \if \@nextchar C7 \else
1897     \if \@nextchar 7 \else
1898     \if \@nextchar L8 \else
1899     \if \@nextchar 8 \else
1900     \if \@nextchar R9 \else
1901     \if \@nextchar 9 \else

```



xepersian implementation 96



```

1952 \ExplSyntaxOn
1953 \AtBeginDocument{\@namedef{      *}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersian
1954 \ExplSyntaxOff
1955 \expandafter\let\csname end      *\endcsname =\end

```

7.43 natbib-xepersian.def

```

1956 \ProvidesFile{natbib-xepersian.def}[2011/08/01 v0.1 adaptations for natbib package]
1957 \renewcommand\NAT@set@cites{%
1958   \ifNAT@numbers
1959     \ifNAT@super \let\@cite\NAT@citesuper
1960       \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
1961       \let\citeyearpar=\citeyear
1962       \let\NAT@space\relax
1963       \def\NAT@super@kern{\kern\p@}%
1964     \else
1965       \let\NAT@mbox=\mbox
1966       \let\@cite\NAT@citenum
1967       \let\NAT@space\NAT@spacechar
1968       \let\NAT@super@kern\relax
1969     \fi
1970     \let\@citex\NAT@citexnum
1971     \let\@Latincitex\NAT@Latin@citexnum
1972     \let\@biblabel\NAT@biblabelnum
1973     \let\@bibsetup\NAT@bibsetnum
1974     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
1975     \def\natexlab##1{%
1976       \def\NAT@penalty{\penalty\@m}%
1977     \else
1978       \let\@cite\NAT@cite
1979       \let\@citex\NAT@citex
1980       \let\@Latincitex\NAT@Latin@citex
1981       \let\@biblabel\NAT@biblabel
1982       \let\@bibsetup\NAT@bibsetup
1983       \let\NAT@space\NAT@spacechar
1984       \let\NAT@penalty\@empty
1985       \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
1986       \def\natexlab##1{##1}%
1987     \fi}
1988 \newcommand\NAT@Latin@citex{}
1989 \def\NAT@Latin@citex%
1990   [#1] [#2] #3{%
1991   \NAT@reset@parser
1992   \NAT@sort@cites{#3}%
1993   \NAT@reset@citea
1994   \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
1995     \@for\@citeb:=\NAT@cite@list\do
1996       {\@safe@activetrue
1997         \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
1998         \@safe@activesfalse

```



```

1999 \ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2000 {\reset@font\bfseries ?}\NAT@citeundefined
2001 \PackageWarning{natbib}%
2002 {Citation '\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2003 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2004 \NAT@parse{\@citeb}}%
2005 \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2006 \let\NAT@name=\NAT@all@names
2007 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}}%
2008 \fi
2009 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2010 \let\NAT@nm\NAT@name\fi
2011 \ifNAT@swa\ifcase\NAT@ctype
2012 \if\relax\NAT@date\relax
2013 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2014 \else
2015 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2016 \ifx\NAT@last@yr\NAT@year
2017 \def\NAT@temp{?}%
2018 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2019 {Multiple citation on page \thepage: same authors and
2020 year\MessageBreak without distinguishing extra
2021 letter,\MessageBreak appears as question mark}\fi
2022 \NAT@hyper@{\NAT@exlab}%
2023 \else\unskip\NAT@spacechar
2024 \NAT@hyper@{\NAT@date}%
2025 \fi
2026 \else
2027 \@citea\NAT@hyper@{%
2028 \NAT@nmfmt{\NAT@nm}%
2029 \hyper@natlinkbreak{%
2030 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2031 }%
2032 \NAT@date
2033 }%
2034 \fi
2035 \fi
2036 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2037 \or\@citea\NAT@hyper@{\NAT@date}%
2038 \or\@citea\NAT@hyper@{\NAT@alias}%
2039 \fi \NAT@def@citea
2040 \else
2041 \ifcase\NAT@ctype
2042 \if\relax\NAT@date\relax
2043 \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2044 \else
2045 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2046 \ifx\NAT@last@yr\NAT@year
2047 \def\NAT@temp{?}%
2048 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%

```



```

2049         {Multiple citation on page \thepage: same authors and
2050         year\MessageBreak without distinguishing extra
2051         letter,\MessageBreak appears as question mark}\fi
2052         \NAT@hyper@{\NAT@exlab}%
2053     \else
2054         \unskip\NAT@spacechar
2055         \NAT@hyper@{\NAT@date}%
2056     \fi
2057 \else
2058     \@citea\NAT@hyper@{%
2059         \NAT@nmfmt{\NAT@nm}%
2060         \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2061         {\@citeb\@extra@b@citeb}%
2062         \NAT@date
2063     }%
2064 \fi
2065 \fi
2066 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2067 \or\@citea\NAT@hyper@{\NAT@date}%
2068 \or\@citea\NAT@hyper@{\NAT@alias}%
2069 \fi
2070 \if\relax\NAT@date\relax
2071     \NAT@def@citea
2072 \else
2073     \NAT@def@citea@close
2074 \fi
2075 \fi
2076 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2077 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2078 \newcommand\NAT@Latin@citexnum{}
2079 \def\NAT@Latin@citexnum[#1][#2]#3{%
2080     \NAT@reset@parser
2081     \NAT@sort@cites{#3}%
2082     \NAT@reset@citea
2083     \@cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\@empty
2084         \@for\@citeb:=\NAT@cite@list\do
2085             {\@safe@activestrue
2086                 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2087                 \@safe@activesfalse
2088                 \@ifundefined{b@\@citeb\@extra@b@citeb}{%
2089                     {\reset@font\bfseries?}
2090                     \NAT@citeundefined\PackageWarning{natbib}%
2091                     {Citation `'\@citeb' on page \thepage \space undefined}}%
2092                 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2093                     \NAT@parse{\@citeb}%
2094                     \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2095                         \let\NAT@name=\NAT@all@names
2096                         \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2097                 \fi
2098                 \ifNAT@full\let\NAT@nm\NAT@all@names\else

```



```

2099      \let\NAT@nm\NAT@name\fi
2100  \ifNAT@swa
2101    \@ifnum{\NAT@ctype>\@ne}{%
2102      \citea
2103      \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2104    }{%
2105      \@ifnum{\NAT@cmprs>\z@}{%
2106        \NAT@ifcat@num\NAT@num
2107        {\let\NAT@nm=\NAT@num}%
2108        {\def\NAT@nm{-2}}%
2109        \NAT@ifcat@num\NAT@last@num
2110        {\@tempcnta=\NAT@last@num\relax}%
2111        {\@tempcnta\m@ne}%
2112        \@ifnum{\NAT@nm=\@tempcnta}{%
2113          \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mbox}%
2114        }{%
2115          \advance\@tempcnta by\@ne
2116          \@ifnum{\NAT@nm=\@tempcnta}{%
2117            \ifx\NAT@last@yr\relax
2118              \def\NAT@last@yr{\@citea}%
2119            \else
2120              \def\NAT@last@yr{--\NAT@penalty}%
2121            \fi
2122          }{%
2123            \NAT@last@yr@mbox
2124          }%
2125        }%
2126      }{%
2127        \@tempswatrue
2128        \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{%
2129          \if@tempswa\NAT@citea@mbox\fi
2130        }%
2131      }%
2132    \NAT@def@citea
2133  \else
2134    \ifcase\NAT@ctype
2135      \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2136        \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbox{\NAT@super@kern\NAT@@open}%
2137      \fi
2138      \if*#1*\else#1\NAT@spacechar\fi
2139      \NAT@mbox{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2140      \NAT@def@citea@box
2141    \or
2142      \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2143    \or
2144      \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2145    \or
2146      \NAT@hyper@citea@space\NAT@alias
2147    \fi
2148  \fi

```



```

2149 }%
2150 }%
2151 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2152 \ifNAT@swa\else
2153 \ifnum{\NAT@ctype=\z@}{%
2154 \if*#2*\else\NAT@cmt#2\fi
2155 }{}%
2156 \NAT@mbox{\NAT@@close}%
2157 \fi
2158 }{#1}{#2}%
2159 }%
2160 \AtBeginDocument{\NAT@set@cites}
2161 \DeclareRobustCommand\Latincite
2162 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatrue
2163 \ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2164 \newcommand\NAT@Latin@cites{\@ifnextchar [{\NAT@@Latin@@citetp}{%
2165 \ifNAT@numbers\else
2166 \NAT@swafalse
2167 \fi
2168 \NAT@@Latin@@citetp[]}}
2169 \newcommand\NAT@@Latin@@citetp{}
2170 \def\NAT@@Latin@@citetp[#1]{\@ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

7.44 packages-localise-xepersian.def

```

2171 packages} \-localise-xepersian.def}[2013/04/24 v0.2 localising LaTeX2e Packages]
2172 color} \}{color} @\-localise-xepersian.def}}{}
2173 \@ifpackageloaded{multicol}{%
2174 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2175 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2176 }{}
2177 \@ifpackageloaded{verbatim}{%
2178 \begingroup
2179 \vrb@catcodes
2180 \lccode`!=`\\ \lccode`\[=`{\ \lccode`\]=`\\
2181 \catcode`\~=\active \lccode`\~=`\^M
2182 \lccode`\C=`\C
2183 \lowercase{\endgroup
2184 \def\xepersian@localize@verbatim@start#1{%
2185 \verbatim@startline
2186 \if\noexpand#1\noexpand~%
2187 \let\next\xepersian@localize@verbatim@
2188 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2189 \next}%
2190 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2191 \def\xepersian@localize@verbatim@@#1! {%
2192 \verbatim@addtoline{#1}%
2193 \futurelet\next\xepersian@localize@verbatim@@@}%
2194 \def\xepersian@localize@verbatim@@@#1\@nil{%
2195 \ifx\next\@nil

```



```

2196         \verbatim@processline
2197         \verbatim@startline
2198         \let\next\xepersian@localize@verbatim@
2199     \else
2200         \def\@tempa##1!   \@nil{##1}%
2201         \@temptokena{!   }%
2202         \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2203     \fi \next}%
2204 \def\xepersian@localize@verbatim@test#1{%
2205     \let\next\xepersian@localize@verbatim@test
2206     \if\noexpand#1\noexpand~%
2207         \expandafter\verbatim@addtoline
2208         \expandafter{\the\@temptokena}%
2209         \verbatim@processline
2210         \verbatim@startline
2211         \let\next\xepersian@localize@verbatim@
2212     \else \if\noexpand#1
2213         \@temptokena\expandafter{\the\@temptokena#1}%
2214     \else \if\noexpand#1\noexpand[%
2215         \let\@tempc\@empty
2216         \let\next\xepersian@localize@verbatim@testend
2217     \else
2218         \expandafter\verbatim@addtoline
2219         \expandafter{\the\@temptokena}%
2220         \def\next{\xepersian@localize@verbatim@#1}%
2221     \fi\fi\fi
2222     \next}%
2223 \def\xepersian@localize@verbatim@testend#1{%
2224     \if\noexpand#1\noexpand~%
2225         \expandafter\verbatim@addtoline
2226         \expandafter{\the\@temptokena[]}%
2227         \expandafter\verbatim@addtoline
2228         \expandafter{\@tempc}%
2229         \verbatim@processline
2230         \verbatim@startline
2231         \let\next\xepersian@localize@verbatim@
2232     \else\if\noexpand#1\noexpand[%
2233         \let\next\xepersian@localize@verbatim@@testend
2234     \else\if\noexpand#1\noexpand!%
2235         \expandafter\verbatim@addtoline
2236         \expandafter{\the\@temptokena[]}%
2237         \expandafter\verbatim@addtoline
2238         \expandafter{\@tempc}%
2239         \def\next{\xepersian@localize@verbatim@!}%
2240     \else \expandafter\def\expandafter\@tempc\expandafter
2241         {\@tempc#1}\fi\fi\fi
2242     \next}%
2243 \def\xepersian@localize@verbatim@@testend{%
2244     \ifx\@tempc\@currenvir
2245         \verbatim@finish

```



```

2246 \edef\next{\noexpand\end{\@currentvir}}%
2247 \noexpand\xepersian@localize@verbatim@rescan{\@currentvir}}%
2248 \else
2249 \expandafter\verbatim@addtoline
2250 \expandafter{\the\@temptokena[]}%
2251 \expandafter\verbatim@addtoline
2252 \expandafter{\@tempc[]}%
2253 \let\next\xepersian@localize@verbatim@
2254 \fi
2255 \next}%
2256 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2257 \@warning{Characters dropped after `\'string\end{#1}'}\fi}}%
2258 \def\
2259 {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2260 \xepersian@localize@verbatim@start}
2261 \@namedef{
2262 *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2263 \def\end
2264 {\endtrivlist\endgroup\@doendpe}
2265 \expandafter\let\csname end
2266 *\endcsname =\end
2267 }{}
2268 \ExplSyntaxOn
2269 \AtBeginDocument{
2270 \xepersian_localize_patch_verbatim:
2271 }
2272 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2273 \ifpackageloaded{verbatim}{
2274 \cs_set:cpn {*
2275 } }
2276 \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@st
2277 }
2278 }{
2279 }
2280 }
2281 \ExplSyntaxOff
2282 \ifpackageloaded{graphicx}{%
2283 \def\Gin@boolkey#1#2{%
2284 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2285 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2286 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2287 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2288 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2289 \define@key{Grot}{origin}[c]{%
2290 \@tfor\@tempa:=#1\do{%
2291 \if l\@tempa \Grot@x\z@ \else
2292 \if tempa@ \Grot@x\z@ \else
2293 \if r\@tempa \Grot@x\width \else
2294 \if tempa@ \Grot@x\width \else
2295 \if t\@tempa \Grot@y\height \else
2296 \if tempa@ \Grot@y\height \else
2297 \if b\@tempa \Grot@y-\depth \else
2298 \if tempa@ \Grot@y-\depth \else
2299 \if B\@tempa \Grot@y\z@ \else
2300 \if tempa@ \Grot@y\z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}}

```




```

2296 {draft}{    }{Gin} @ \
2297 {origin}{    }{Gin} @ \
2298 {origin}{    }{Grot} @ \
2299 {clip}{    }{Gin} @ \
2300 {keepaspectratio}{    }{Gin} @ \
2301 {natwidth}{    }{Gin} @ \
2302 {natheight}{    }{Gin} @ \
2303 {bb}{    }{Gin} @ \
2304 {viewport}{    }{Gin} @ \
2305 {trim}{    }{Gin} @ \
2306 {angle}{    }{Gin} @ \
2307 {width}{    }{Gin} @ \
2308 {height}{    }{Gin} @ \
2309 {totalheight}{    }{Gin} @ \
2310 {scale}{    }{Gin} @ \
2311 {type}{    }{Gin} @ \
2312 {ext}{    }{Gin} @ \
2313 {read}{    }{Gin} @ \
2314 {command}{    }{Gin} @ \
2315 {x}{    }{Grot} @ \
2316 {y}{    }{Grot} @ \
2317 {units}{    }{Grot} @ \
2318 {}{}

```

7.45 parsidigits.map

```

2319 LHSName "Digits"
2320 RHSName "ParsiDigits"
2321
2322 pass(Unicode)
2323 U+0030 <> U+06F0 ;
2324 U+0031 <> U+06F1 ;
2325 U+0032 <> U+06F2 ;
2326 U+0033 <> U+06F3 ;
2327 U+0034 <> U+06F4 ;
2328 U+0035 <> U+06F5 ;
2329 U+0036 <> U+06F6 ;
2330 U+0037 <> U+06F7 ;
2331 U+0038 <> U+06F8 ;
2332 U+0039 <> U+06F9 ;
2333
2334
2335 U+002C <> U+060C ; comma > arabic comma
2336 U+003F <> U+061F ; question mark -> arabic qm
2337 U+003B <> U+061B ; semicolon -> arabic semicolon
2338
2339 ; ligatures from Knuth's original CMR fonts
2340 U+002D U+002D <> U+2013 ; -- -> en dash
2341 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2342

```



```

2343 U+0027 <> U+2019 ; ' -> right single quote
2344 U+0027 U+0027 <> U+201D ; '' -> right double quote
2345 U+0022 > U+201D ; " -> right double quote
2346
2347 U+0060 <> U+2018 ; ` -> left single quote
2348 U+0060 U+0060 <> U+201C ; `` -> left double quote
2349
2350 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2351 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2352
2353 ; additions supported in T1 encoding
2354 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2355 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2356 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

7.46 rapport1-xepersian.def

```

2357 \ProvidesFile{rapport1-xepersian.def}[2010/07/25 v0.1 adaptations for rapport1 class]
2358 \renewcommand*\thepart{\@tartibi\c@part}
2359 \renewcommand*\appendix{\par
2360   \setcounter{chapter}{0}%
2361   \setcounter{section}{0}%
2362   \gdef\@chapapp{\appendixname}%
2363   \gdef\thechapter{\@harfi\c@chapter}}

```

7.47 rapport3-xepersian.def

```

2364 \ProvidesFile{rapport3-xepersian.def}[2010/07/25 v0.2 adaptations for rapport3 class]
2365 \renewcommand*\thepart{\@tartibi\c@part}
2366 \renewcommand*\appendix{\par
2367   \setcounter{chapter}{0}%
2368   \setcounter{section}{0}%
2369   \gdef\@chapapp{\appendixname}%
2370   \gdef\thechapter{\@harfi\c@chapter}}

```

7.48 refrep-xepersian.def

```

2371 \ProvidesFile{refrep-xepersian.def}[2010/07/25 v0.2 adaptations for refrep class]
2372 \renewcommand \thepart {\@tartibi\c@part}
2373 \renewcommand\appendix{\par
2374   \setcounter{chapter}{0}%
2375   \setcounter{section}{0}%
2376   \gdef\@chapapp{\appendixname}%
2377   \gdef\thechapter{\@harfi\c@chapter}
2378 }%end appendix

```

7.49 report-xepersian.def

```

2379 \ProvidesFile{report-xepersian.def}[2010/07/25 v0.2 adaptations for standard report class]
2380 \renewcommand \thepart {\@tartibi\c@part}
2381 \renewcommand\appendix{\par
2382   \setcounter{chapter}{0}%
2383   \setcounter{section}{0}%

```



```

2384 \gdef\@chapapp{\appendixname}%
2385 \gdef\thechapter{\@harfi\c@chapter}
2386 }%end appendix

```

7.50 scrartcl-xepersian.def

```

2387 \ProvidesFile{scrartcl-xepersian.def}[2010/07/25 v0.2 adaptations for scrartcl class]
2388 \renewcommand*{\thepart}{\@tartibi\c@part}
2389 \renewcommand*{\appendix}{\par%
2390 \setcounter{section}{0}%
2391 \setcounter{subsection}{0}%
2392 \gdef\thesection{\@harfi\c@section}%
2393 \csname appendixmore\endcsname
2394 }
2395 \renewcommand*{\@maybeautodot}[1]{%
2396 \ifx #1\@stop\let\@maybeautodot\relax
2397 \else
2398 \ifx #1\harfi \@autodottrue\fi
2399 \ifx #1\adadi \@autodottrue\fi
2400 \ifx #1\tartibi \@autodottrue\fi
2401 \ifx #1\Alph \@autodottrue\fi
2402 \ifx #1\alph \@autodottrue\fi
2403 \ifx #1\Roman \@autodottrue\fi
2404 \ifx #1\roman \@autodottrue\fi
2405 \ifx #1\@harfi \@autodottrue\fi
2406 \ifx #1\@adadi \@autodottrue\fi
2407 \ifx #1\@tartibi \@autodottrue\fi
2408 \ifx #1\@Alph \@autodottrue\fi
2409 \ifx #1\@alph \@autodottrue\fi
2410 \ifx #1\@Roman \@autodottrue\fi
2411 \ifx #1\@roman \@autodottrue\fi
2412 \ifx #1\romannumeral \@autodottrue\fi
2413 \fi
2414 \@maybeautodot
2415 }

```

7.51 scrbook-xepersian.def

```

2416 \ProvidesFile{scrbook-xepersian.def}[2010/07/25 v0.2 adaptations for scrbook class]
2417 \renewcommand*{\frontmatter}{%
2418 \if@twoside\cleardoubleoddpage\else\clearpage\fi
2419 \@mainmatterfalse\pagenumbering{harfi}%
2420 }
2421 \renewcommand*{\thepart}{\@tartibi\c@part}
2422 \renewcommand*{\appendix}{\par%
2423 \setcounter{chapter}{0}%
2424 \setcounter{section}{0}%
2425 \gdef\@chapapp{\appendixname}%
2426 \gdef\thechapter{\@harfi\c@chapter}%
2427 \csname appendixmore\endcsname
2428 }

```



```

2429 \renewcommand*{\@@maybeautodot}[1]{%
2430   \ifx #1\@stop\let\@@maybeautodot\relax
2431   \else
2432     \ifx #1\harfi \@@autodottrue\fi
2433     \ifx #1\adadi \@@autodottrue\fi
2434     \ifx #1\tartibi \@@autodottrue\fi
2435     \ifx #1\Alph \@@autodottrue\fi
2436     \ifx #1\alph \@@autodottrue\fi
2437     \ifx #1\Roman \@@autodottrue\fi
2438     \ifx #1\roman \@@autodottrue\fi
2439     \ifx #1\@harfi \@@autodottrue\fi
2440     \ifx #1\@adadi \@@autodottrue\fi
2441     \ifx #1\@tartibi \@@autodottrue\fi
2442     \ifx #1\@Alph \@@autodottrue\fi
2443     \ifx #1\@alph \@@autodottrue\fi
2444     \ifx #1\@Roman \@@autodottrue\fi
2445     \ifx #1\@roman \@@autodottrue\fi
2446     \ifx #1\romannumeral \@@autodottrue\fi
2447   \fi
2448   \@@maybeautodot
2449 }

```

7.52 scrreprt-xepersian.def

```

2450 \ProvidesFile{scrreprt-xepersian.def}[2010/07/25 v0.2 adaptations for scrreprt class]
2451 \renewcommand*{\thepart}{\@tartibi\c@part}
2452 \renewcommand*\appendix{\par%
2453   \setcounter{chapter}{0}%
2454   \setcounter{section}{0}%
2455   \gdef\@chapapp{\appendixname}%
2456   \gdef\thechapter{\@harfi\c@chapter}%
2457   \csname appendixmore\endcsname
2458 }
2459 \renewcommand*{\@@maybeautodot}[1]{%
2460   \ifx #1\@stop\let\@@maybeautodot\relax
2461   \else
2462     \ifx #1\harfi \@@autodottrue\fi
2463     \ifx #1\adadi \@@autodottrue\fi
2464     \ifx #1\tartibi \@@autodottrue\fi
2465     \ifx #1\Alph \@@autodottrue\fi
2466     \ifx #1\alph \@@autodottrue\fi
2467     \ifx #1\Roman \@@autodottrue\fi
2468     \ifx #1\roman \@@autodottrue\fi
2469     \ifx #1\@harfi \@@autodottrue\fi
2470     \ifx #1\@adadi \@@autodottrue\fi
2471     \ifx #1\@tartibi \@@autodottrue\fi
2472     \ifx #1\@Alph \@@autodottrue\fi
2473     \ifx #1\@alph \@@autodottrue\fi
2474     \ifx #1\@Roman \@@autodottrue\fi
2475     \ifx #1\@roman \@@autodottrue\fi

```



```

2476 \ifx #1\romannumeral \@autodottrue\fi
2477 \fi
2478 \@maybeautodot
2479 }

```

7.53 soul-xepersian.def

```

2480 \ProvidesFile{soul-xepersian.def}[2015/10/16 v0.1 adaptations for soul package]
2481 \let\SOUL@tt\relax
2482 \newfontface{\SOUL@tt}{Times New Roman}

```

7.54 tkz-linknodes-xepersian.def

```

2483 \ProvidesFile{tkz-linknodes-xepersian.def}[2012/06/13 v0.1 adaptations for tkz-linknodes packa
2484 \renewcommand*{\@SetTab}{%
2485 \let\@alph\@latalph%
2486 \ifnum \value{C@NumTab}>25\relax%
2487 \setcounter{C@NumTab}{1}%
2488 \else%
2489 \stepcounter{C@NumTab}%
2490 \fi%
2491 \setcounter{C@NumGroup}{0}%
2492 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2493 \setboolean{B@FirstLink}{true}
2494 \setboolean{B@NewGroup}{false}
2495 \setcounter{C@NumGroup}{0}
2496 \setcounter{C@CurrentGroup}{0}
2497 \setcounter{NumC@Node}{0}
2498 \setcounter{NumC@stop}{0}
2499 \setcounter{C@NextNode}{0}
2500 \setcounter{C@CurrentStop}{0}
2501 \setcounter{C@CurrentNode}{0}
2502 }%

```

7.55 tocloft-xepersian.def

```

2503 \ProvidesFile{tocloft-xepersian.def}[2010/07/25 v0.1 bilingual captions for tocloft package]
2504 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2505 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2506 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2507 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2508 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2509 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2510 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2511 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2512 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2513 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

7.56 xepersian.sty

```

2514 \NeedsTeXFormat{LaTeX2e}
2515 \def\xepersianversion{v19.4}
2516 \def\xepersiandate{2017/11/29}

```



```

2517 \ProvidesPackage{xepersian}[\xepersiandate\space \xepersianversion\space
2518 Persian typesetting in XeLaTeX]
2519 \RequirePackage{fontspec}
2520 \RequirePackage{xepersian-persiancal}
2521 \RequirePackage{xepersian-mathsdigitspec}
2522 \RequirePackage{bidi}
2523 \edef\xepersian@info{*****^^J%
2524 * ^^J%
2525 * xepersian package (Persian for LaTeX, using XeTeX engine)^^J%
2526 * ^^J%
2527 * Description: The package supports Persian^^J%
2528 * typesetting, using fonts provided in the^^J%
2529 * distribution.^^J%
2530 * ^^J%
2531 * Copyright (c) 2008--2017 Vafa Khalighi^^J%
2532 * ^^J%
2533 * \xepersianversion, \xepersiandate^^J%
2534 * ^^J%
2535 * License: LaTeX Project Public License, version^^J%
2536 * 1.3c or higher (your choice)^^J%
2537 * ^^J%
2538 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
2539 * ^^J%
2540 * Issue tracker: https://github.com/tex-xet/xepersian/issues^^J%
2541 * ^^J%
2542 * Support: persian-tex@tug.org^^J%
2543 * ^^J%
2544 * Phone: (+61) 412486635^^J%
2545 * ^^J%
2546 *****}
2547 \typeout{\xepersian@info}
2548 \edef\xepersian@everyjob{\the\everyjob}
2549 \everyjob{\xepersian@everyjob\typeout{\xepersian@info}}
2550 \edef\xepersian@bidi@strip@v\xepersianversion{\expandafter\xgobble\xepersianversion}
2551 \newcommand*{\IfxepersianPackageVersionLater}[1]{%
2552   \ifdim\xepersian@bidi@strip@v\xepersianversion pt > #1 pt %
2553     \expandafter\@firstoftwo
2554   \else
2555     \expandafter\@secondoftwo
2556   \fi}
2557 \newcommand*{\IfxepersianPackageVersionBefore}[1]{%
2558   \ifdim\xepersian@bidi@strip@v\xepersianversion pt < #1 pt %
2559     \expandafter\@firstoftwo
2560   \else
2561     \expandafter\@secondoftwo
2562   \fi}
2563 \newcommand*{\IfxepersianPackageVersion}[1]{%
2564   \ifdim\xepersian@bidi@strip@v\xepersianversion pt = #1 pt %
2565     \expandafter\@firstoftwo
2566   \else

```



```

2567 \expandafter\@secondoftwo
2568 \fi}
2569 \def\prq{«}
2570 \def\plq{»}
2571 \def\xepersian@cmds@temp#1{%
2572 \begingroup\expandafter\expandafter\expandafter\endgroup
2573 \expandafter\ifx\csname xepersian@#1\endcsname\relax
2574 \begingroup
2575 \escapechar=-1 %
2576 \edef\x{\expandafter\meaning\csname#1\endcsname}%
2577 \def\y{#1}%
2578 \def\z##1->{%
2579 \edef\y{\expandafter\z\meaning\y}%
2580 \expandafter\endgroup
2581 \ifx\x\y
2582 \expandafter\def\csname xepersian@#1\expandafter\endcsname
2583 \expandafter{%
2584 \csname#1\endcsname
2585 }%
2586 \fi
2587 \fi
2588 }%
2589 \xepersian@cmds@temp{shellescape}
2590 \newif\ifwritexviii
2591 \ifnum\xepersian@shellescape=1\relax
2592 \writexviii>true
2593 \else
2594 \writexviii>false
2595 \fi
2596 \newfontscript{Parsi}{arab}
2597 \newfontlanguage{Parsi}{FAR}
2598 \ExplSyntaxOn
2599
2600 \DeclareDocumentCommand \settextfont { 0 } m 0 { }
2601 {
2602 \__xepersian_main_settextfont:nnn {#1} {#2} {#3}
2603 }
2604 \cs_set:Nn \__xepersian_main_settextfont:nnn
2605 {
2606 \fontspec_set_family:Nnn \g__xepersian_persianfont_family {Script=Parsi,Language=Parsi,Mapping=
2607 \tl_set_eq:NN \rmdefault \g__xepersian_persianfont_family
2608 \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
2609 {
2610 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2611 \exp_not:N \fontfamily { \g__xepersian_persianfont_family }
2612 \exp_not:N \selectfont
2613 }
2614 }
2615 \str_if_eq_x:nnT {\familydefault} {\rmdefault}
2616 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }

```



```

2617 \normalfont
2618 \ignorespaces
2619 }
2620
2621 \DeclareDocumentCommand \setlatintextfont { 0{ } m 0{ } }
2622 {
2623   \_xepersian_main_setlatintextfont:nnn {#1} {#2} {#3}
2624 }
2625 \cs_set:Nn \_xepersian_main_setlatintextfont:nnn
2626 {
2627   \fontspec_set_family:Nnn \g__xepersian_latinfont_family {Mapping=tex-text,#1,#3} {#2}
2628   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
2629     {
2630       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2631       \exp_not:N \fontfamily { \g__xepersian_latinfont_family }
2632       \exp_not:N \selectfont
2633     }
2634 }
2635 \str_if_eq:x:nnT {\familydefault} {\rmdefault}
2636 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2637 \normalfont
2638 \ignorespaces
2639 }
2640
2641 \tl_set_eq:NN \setlatinsansfont \setsansfont
2642 \tl_set_eq:NN \setlatinmonofont \setmonofont
2643
2644 \DeclareDocumentCommand \defpersianfont { m 0{ } m 0{ } }
2645 {
2646   \_xepersian_main_defpersianfont:nnnn {#1} {#2} {#3} {#4}
2647 }
2648 \cs_set:Nn \_xepersian_main_defpersianfont:nnnn
2649 {
2650   \fontspec_set_family:cnn { g__xepersian_ \cs_to_str:N #1 _family } {Script=Parsi,Language=Pa
2651   \use:x
2652   {
2653     \exp_not:N \DeclareRobustCommand \exp_not:N #1
2654     {
2655       \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2656       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2657       \exp_not:N \selectfont
2658     }
2659   }
2660 }
2661
2662 \DeclareDocumentCommand \deflatinfont { m 0{ } m 0{ } }
2663 {
2664   \_xepersian_main_deflatinfont:nnnn {#1} {#2} {#3} {#4}
2665 }
2666 \cs_set:Nn \_xepersian_main_deflatinfont:nnnn

```




```

2667 {
2668   \fontspec_set_family:cnn { g__xepersian_ \cs_to_str:N #1 _family } {Mapping=tex-text,#2,#4}
2669   \use:x
2670   {
2671     \exp_not:N \DeclareRobustCommand \exp_not:N #1
2672     {
2673       \exp_not:N \fontfamily { \use:c {g__xepersian_ \cs_to_str:N #1 _family} }
2674       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2675       \exp_not:N \selectfont
2676     }
2677   }
2678 }
2679
2680 \newcommand\persiansfdefault{}
2681 \newcommand\persianttdefault{}
2682 \newcommand\iranicsfdefault{}
2683 \newcommand\navarsfdefault{}
2684 \newcommand\pooksfdefault{}
2685 \newcommand\sayehsfdefault{}
2686 \DeclareRobustCommand\persiansffamily
2687   {\not@math@alphabet\persiansffamily\mathpersiansf
2688    \fontfamily\persiansfdefault\selectfont}
2689 \DeclareRobustCommand\persianttffamily
2690   {\not@math@alphabet\persianttffamily\mathpersiantt
2691    \fontfamily\persianttdefault\selectfont}
2692 \DeclareRobustCommand\iranicsffamily
2693   {\not@math@alphabet\iranicsffamily\mathiranicsf
2694    \fontfamily\iranicsfdefault\selectfont}
2695 \DeclareRobustCommand\navarsffamily
2696   {\not@math@alphabet\navarsffamily\mathnavarsf
2697    \fontfamily\navarsfdefault\selectfont}
2698 \DeclareRobustCommand\pooksffamily
2699   {\not@math@alphabet\pooksffamily\mathpooksf
2700    \fontfamily\pooksfdefault\selectfont}
2701 \DeclareRobustCommand\sayehsfamily
2702   {\not@math@alphabet\sayehsfamily\mathsayehsf
2703    \fontfamily\sayehsfdefault\selectfont}
2704 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
2705 \DeclareTextFontCommand{\textpersiantt}{\persianttffamily}
2706 \DeclareTextFontCommand{\textiranicsf}{\iranicsffamily}
2707 \DeclareTextFontCommand{\textnavarsf}{\navarsffamily}
2708 \DeclareTextFontCommand{\textpooksf}{\pooksffamily}
2709 \DeclareTextFontCommand{\textsayehsf}{\sayehsfamily}
2710
2711 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
2712 {
2713   \__xepersian_main_setpersiansansfont:nnn {#1} {#2} {#3}
2714 }
2715 \cs_set:Nn \__xepersian_main_setpersiansansfont:nnn
2716 {

```



```

2717 \fontspec_set_family:Nnn \g__xepersian_persiansffamily_family {Script=Parsi,Language=Parsi,M
2718 \tl_set_eq:NN \persiansfdefault \g__xepersian_persiansffamily_family
2719 \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
2720 {
2721 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2722 \exp_not:N \fontfamily { \g__xepersian_persiansffamily_family }
2723 \exp_not:N \selectfont
2724 }
2725 }
2726 \str_if_eq_x:nnT {\familydefault} {\persiansfdefault}
2727 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2728 \normalfont
2729 \ignorespaces
2730 }
2731
2732 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
2733 {
2734 \__xepersian_main_setpersianmonofont:nnn {#1} {#2} {#3}
2735 }
2736 \cs_set:Nn \__xepersian_main_setpersianmonofont:nnn
2737 {
2738 \fontspec_set_family:Nnn \g__xepersian_persianttfamily_family {Script=Parsi,Language=Parsi,M
2739 \tl_set_eq:NN \persianttdefault \g__xepersian_persianttfamily_family
2740 \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
2741 {
2742 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2743 \exp_not:N \fontfamily { \g__xepersian_persianttfamily_family }
2744 \exp_not:N \selectfont
2745 }
2746 }
2747 \str_if_eq_x:nnT {\familydefault} {\persianttdefault}
2748 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2749 \normalfont
2750 \ignorespaces
2751 }
2752
2753 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
2754 {
2755 \__xepersian_main_setnavarfont:nnn {#1} {#2} {#3}
2756 }
2757 \cs_set:Nn \__xepersian_main_setnavarfont:nnn
2758 {
2759 \fontspec_set_family:Nnn \g__xepersian_navarfamilly_family {Script=Parsi,Language=Parsi,Mappi
2760 \tl_set_eq:NN \navardefault \g__xepersian_navarfamilly_family
2761 \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
2762 {
2763 \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2764 \exp_not:N \fontfamily { \g__xepersian_navarfamilly_family }
2765 \exp_not:N \selectfont
2766 }

```



```

2767 }
2768 \str_if_eq_x:nnT {\familydefault} {\navardefault}
2769 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2770 \normalfont
2771 \ignorespaces
2772 }
2773
2774 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
2775 {
2776   \__xepersian_main_setpookfont:nnn {#1} {#2} {#3}
2777 }
2778 \cs_set:Nn \__xepersian_main_setpookfont:nnn
2779 {
2780   \fontspec_set_family:Nnn \g__xepersian_pookfamily_family {Script=Parsi,Language=Parsi,Mapping=Persian}
2781   \tl_set_eq:NN \pookdefault \g__xepersian_pookfamily_family
2782   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
2783     {
2784       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2785       \exp_not:N \fontfamily { \g__xepersian_pookfamily_family }
2786       \exp_not:N \selectfont
2787     }
2788   }
2789   \str_if_eq_x:nnT {\familydefault} {\pookdefault}
2790   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2791   \normalfont
2792   \ignorespaces
2793 }
2794
2795 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
2796 {
2797   \__xepersian_main_setsayehfont:nnn {#1} {#2} {#3}
2798 }
2799 \cs_set:Nn \__xepersian_main_setsayehfont:nnn
2800 {
2801   \fontspec_set_family:Nnn \g__xepersian_sayehfamily_family {Script=Parsi,Language=Parsi,Mapping=Persian}
2802   \tl_set_eq:NN \sayehdefault \g__xepersian_sayehfamily_family
2803   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
2804     {
2805       \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2806       \exp_not:N \fontfamily { \g__xepersian_sayehfamily_family }
2807       \exp_not:N \selectfont
2808     }
2809   }
2810   \str_if_eq_x:nnT {\familydefault} {\sayehdefault}
2811   { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2812   \normalfont
2813   \ignorespaces
2814 }
2815
2816 \DeclareDocumentCommand \setiraniconfont { 0{} m 0{} }

```



```

2817 {
2818   \_xepersian_main_setiraniconfont:nnn {#1} {#2} {#3}
2819 }
2820 \cs_set:Nn \_xepersian_main_setiraniconfont:nnn
2821 {
2822   \fontspec_set_family:Nnn \g__xepersian_iranicfamily_family {Script=Parsi,Language=Parsi,Map
2823   \tl_set_eq:NN \iranicondefault \g__xepersian_iranicfamily_family
2824   \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfamily }
2825   {
2826     \exp_not:N \fontencoding { \l__fontspec_nfss_enc_tl }
2827     \exp_not:N \fontfamily { \g__xepersian_iranicfamily_family }
2828     \exp_not:N \selectfont
2829   }
2830 }
2831 \str_if_eq_x:nnT {\familydefault} {\iranicondefault}
2832 { \tl_set_eq:NN \encodingdefault \l__fontspec_nfss_enc_tl }
2833 \normalfont
2834 \ignorespaces
2835 }
2836
2837
2838 \ExplSyntaxOff
2839 \def\resetlatinfont{%
2840 \nonlatinfalse%
2841 \let\normalfont\latinfont%
2842 \let\reset@font\normalfont%
2843 \latinfont%
2844 \fontsize\fontsize\fontsize\font@baselineskip%
2845 \selectfont}
2846 \def\setpersianfont{%
2847 \nonlatintrue%
2848 \let\normalfont\persianfont%
2849 \let\reset@font\normalfont%
2850 \persianfont%
2851 \fontsize\fontsize\fontsize\font@baselineskip%
2852 \selectfont}
2853 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
2854 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
2855 \def\latin{\LTR\LatinAlphs\RTL@footnotefalse\resetlatinfont}
2856 \def\endlatin{\endLTR}
2857 \def\persian{\RTL\PersianAlphs\RTL@footnotetrue\setpersianfont}
2858 \def\endpersian{\endRTL}
2859 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\RTL@footnotefalse\resetlatinfont}{\en
2860 \newenvironment{parsiiitems}{\begin{RTLitems}\PersianAlphs\RTL@footnotetrue\setpersianfont}{\e
2861 \let\originaltoday=\today
2862 \def\latintoday{\lr{\originaltoday}}
2863 \def\today{\rl{\persiantoday}}
2864 \def \@LTRmarginparreset {%
2865   \reset@font
2866   \resetlatinfont

```



```

2867 \normalsize
2868 \@minipagetrue
2869 \everypar{\@minipagefalse\everypar{}\beginL}%
2870 }
2871 \DeclareRobustCommand\Latincite{%
2872 \ifnextchar [{\@tempwattrue\@Latincitex}{\@tempwafalse\@Latincitex[]}}
2873 \def\@Latincitex[#1]#2{\leavevmode
2874 \let\@citea\@empty
2875 \@cite{\lr{\@for\@citeb:=#2\do
2876 {\@citea\def\@citea{\penalty\@m\ }%
2877 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2878 \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
2879 \ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%
2880 \G@refundefinedtrue
2881 \latex@warning
2882 {Citation `'\@citeb' on page \thepage \space undefined}}%
2883 {\@cite@ofmt{\csname b@\@citeb\endcsname}}}\{#1}}
2884
2885 \renewcommand*{\bidi@font@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
2886
2887 \newif\if@xepersian@computeautoilg
2888 \newcount\xepersian@tcl
2889 \newdimen\xepersian@ilg
2890 \newdimen\xepersian@strutilg
2891 \chardef\f@ur=4
2892 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
2893 \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
2894 \loop
2895 \iffontchar\font\xepersian@tcl
2896 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
2897 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
2898 \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
2899 \fi
2900 \else
2901 \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
2902 \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
2903 \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
2904 \fi
2905 \fi
2906 \fi
2907 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
2908 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2909 \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
2910 \fi
2911 \else
2912 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
2913 \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
2914 \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
2915 \fi
2916 \fi

```



```

2917 \fi
2918 \fi
2919 \advance\xepersian@tcl\@ne
2920 \ifnum\xepersian@tcl<1792\repeat
2921 \advance\xepersian@strutilg\xepersian@ilg
2922 % \ifdim\xepersian@strutilg>\baselineskip
2923 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
2924 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
2925 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
2926 % \selectfont
2927 % \fi
2928 }
2929
2930 \newcommand\twocolumnstableofcontents{%
2931 \if@bidi@csundef{multi@column@out}{%
2932 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for b
2933 \begin{multicols}{2}[\section*{\contentsname}]}%
2934 \small
2935 \@starttoc{toc}%
2936 \end{multicols}}}%
2937 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
2938 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}}$}
2939 \def\figurename{\if@RTL else\ Figure\fi}
2940 \def\tablename{\if@RTL else\ Table\fi}
2941 \def\contentsname{\if@RTL else\ Contents\fi}
2942 \def\listfigurename{\if@RTL else\ List of Figures\fi}
2943 \def\listtablename{\if@RTL else\ List of Tables\fi}
2944 \def\appendixname{\if@RTL else\ Appendix\fi}
2945 \def\indexname{\if@RTL else\ Index\fi}
2946 \def\refname{\if@RTL else\ References\fi}
2947 \def\abstractname{\if@RTL else\ Abstract\fi}
2948 \def\partname{\if@RTL else\ Part\fi}
2949 \def\datename{\if@RTL else\ Date:\fi}
2950 \def\@and{\if@RTL else\ and\fi}
2951 \def\bibname{\if@RTL else\ Bibliography\fi}
2952 \def\chaptername{\if@RTL else\ Chapter\fi}
2953 \def\ccname{\if@RTL else\ cc\fi}
2954 \def\enclname{\if@RTL else\ encl\fi}
2955 \def\pagename{\if@RTL else\ Page\fi}
2956 \def\headtoname{\if@RTL else\ To\fi}
2957 \def\proofname{\if@RTL else\ Proof\fi}
2958 \def\@Abjad#1{%
2959 \ifcase#1\or or\ or\ or\ %
2960 \or or\ or\ or\ or\ %
2961 \or or\ or\ or\ or\ %
2962 \or or\ or\ or\ %
2963 \or or\ or\ or\ or\ %
2964 \or or\ or\ or\ or\ %
2965 \else\@ctrerr\fi}

```



```

2966 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
2967 \let\Abjadnumeral\@Abjad
2968 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\
2969 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
2970 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi\
2971 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
2972 \let\harfinumeral\@harfi
2973 \newcommand{\adadi}[1]{%
2974 \expandafter\@adadi\csname c@#1\endcsname%
2975 }
2976 \newcommand{\@adadi}[1]{%
2977 \xepersian@numberstring{#1}\xepersian@yekanii{ }{}%
2978 }
2979 \let\adadinumeral\@adadi%
2980 \def\xepersian@numberoutofrange#1#2{%
2981 \PackageError{xepersian}{The number `#1' is too large %
2982 to be formatted using xepersian}{The largest possible %
2983 number is 999,999,999.}%
2984 }
2985 \def\xepersian@numberstring#1#2#3#4{%
2986 \ifnum\number#1<\@ne%
2987 #3%
2988 \else\ifnum\number#1<1000000000 %
2989 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
2990 \else%
2991 \xepersian@numberoutofrange{#1}{#4}%
2992 \fi\fi%
2993 }
2994 \def\xepersian@adadi#1#2{%
2995 \expandafter\xepersian@@adadi%
2996 \ifcase%
2997 \ifnum#1<10 1%
2998 \else\ifnum#1<100 2%
2999 \else\ifnum#1<\@m 3%
3000 \else\ifnum#1<\@M 4%
3001 \else\ifnum#1<100000 5%
3002 \else\ifnum#1<1000000 6%
3003 \else\ifnum#1<10000000 7%
3004 \else\ifnum#1<100000000 8%
3005 \else9%
3006 \fi\fi\fi\fi\fi\fi\fi\fi\fi %
3007 \or00000000#1% case 1: Add 8 leading zeros
3008 \or0000000#1% case 2: Add 7 leading zeros
3009 \or000000#1% case 3: Add 6 leading zeros
3010 \or00000#1% case 4: Add 5 leading zeros
3011 \or0000#1% case 5: Add 4 leading zeros
3012 \or000#1% case 6: Add 3 leading zeros
3013 \or00#1% case 7: Add 2 leading zeros
3014 \or0#1% case 8: Add 1 leading zero
3015 \or#1% case 9: Add no leading zeros

```



```

3016 \or%
3017 \@nil#2%
3018 \fi%
3019 }
3020 \def\xepersian@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3021 \ifnum#1#2#3>\z@
3022 \xepersian@milyoongan#1#2#3%
3023 \ifnum#7>\z@\ifnum#4#5#6>\z@ \else \fi\else\ifnum#4#5#6>\z@ \fi\fi%
3024 \fi%
3025 \ifnum#4#5#6>\z@%
3026 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3027 \ifnum#4#5#6>\@ne\fi%
3028 %
3029 \ifnum#7>\z@ \fi%
3030 \fi%
3031 \xepersian@sadgan#7{#4#5#6}1#9%
3032 }
3033 \def\xepersian@milyoongan#1#2#3{%
3034 \ifnum#1#2#3=\@ne%
3035 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3036 %
3037 %
3038 \else%
3039 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3040 %
3041 %
3042 \fi%
3043 }
3044 \def\xepersian@sadgan#1#2#3#4#5#6{%
3045 \ifnum#1>\z@%
3046 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3047 %
3048 \ifnum#2#3>\z@ \fi%
3049 \fi%
3050 \ifnum#2#3<20%
3051 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3052 \else%
3053 \xepersian@dahgan#2%
3054 \ifnum#3>\z@ \xepersian@yekani#3\fi%
3055 #60%
3056 \fi%
3057 }
3058 \def\xepersian@yekani#1{%
3059 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3060 \or or\ or\ or\ or\ or\ %
3061 \or or\ or\ or\ %
3062 \or or\ %fi\
3063 }
3064 \def\xepersian@yekanii#1{%
3065 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\

```




```

3066 }
3067 \def\xepersian@yekaniii#1{%
3068 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3069 }
3070 \def\xepersian@yekaniv#1{%
3071 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
3072 \or or\ or\ %fi\
3073 }
3074 \def\xepersian@dahgan#1{%
3075 \ifcase#1\or\or or\ or\ %
3076 \or or\ or\ or\ %
3077 \or %fi\
3078 }
3079 \newcommand{\tartibi}[1]{%
3080 \expandafter\@tartibi\csize c@#1\endcsize%
3081 }
3082 \newcommand{\@tartibi}[1]{%
3083 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
3084 }
3085 \let\tartibinumeral\@tartibi%
3086 \def\xepersian@numberstring@tartibi#1#2#3#4{%
3087 \ifnum\number#1<\@ne%
3088 #3%
3089 \else\ifnum\number#1<1000000000 %
3090 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
3091 \else%
3092 \xepersian@numberoutofrange{#1}{#4}%
3093 \fi\fi%
3094 }
3095 \def\xepersian@adadi@tartibi#1#2{%
3096 \expandafter\xepersian@@adadi@tartibi%
3097 \ifcase%
3098 \ifnum#1<10 1%
3099 \else\ifnum#1<100 2%
3100 \else\ifnum#1<\@m 3%
3101 \else\ifnum#1<\@M 4%
3102 \else\ifnum#1<100000 5%
3103 \else\ifnum#1<1000000 6%
3104 \else\ifnum#1<10000000 7%
3105 \else\ifnum#1<100000000 8%
3106 \else9%
3107 \fi\fi\fi\fi\fi\fi\fi\fi\fi %
3108 \or00000000#1% case 1: Add 8 leading zeros
3109 \or0000000#1% case 2: Add 7 leading zeros
3110 \or000000#1% case 3: Add 6 leading zeros
3111 \or00000#1% case 4: Add 5 leading zeros
3112 \or0000#1% case 5: Add 4 leading zeros
3113 \or000#1% case 6: Add 3 leading zeros
3114 \or00#1% case 7: Add 2 leading zeros
3115 \or0#1% case 8: Add 1 leading zero

```



```

3116 \or#1%           case 9: Add no leading zeros
3117 \or%
3118 \@nil#2%
3119 \fi%
3120 }
3121 \def\xepersian@adadi@tartibi#1#2#3#4#5#6#7\or#8\@nil#9{%
3122 \ifnum#1#2#3>\z@
3123 \xepersian@milyoongan@tartibi#1#2#3%
3124 \ifnum#7>\z@\ifnum#4#5#6>\z@\   \else\   \fi\else\ifnum#4#5#6>\z@\   \fi\fi%
3125 \fi%
3126 \ifnum#4#5#6>\z@%
3127 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%
3128 \ifnum#4#5#6>\@ne \fi%
3129 %
3130 \ifnum#7>\z@\   \fi%
3131 \fi%
3132 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
3133 }
3134 \def\xepersian@milyoongan@tartibi#1#2#3{%
3135 \ifnum#1#2#3=\@ne%
3136 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
3137 %
3138 %
3139 \else%
3140 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3141 %
3142 %
3143 \fi%
3144 }
3145 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
3146 \ifnum#1>\z@%
3147 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3148 %
3149 \ifnum#2#3>\z@\   \fi%
3150 \fi%
3151 \ifnum#2#3<20%
3152 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
3153 \else%
3154 \ifnum#2#3=30%
3155 \xepersian@dahgan@tartibi#2%
3156 \else%
3157 \xepersian@dahgan#2%
3158 \fi%
3159 \ifnum#3>\z@\   \xepersian@yekanv#3\fi%
3160 #60%
3161 \fi%
3162 }
3163 \def\xepersian@dahgan@tartibi#1{%
3164 \ifcase#1\or\or or\   or\   %
3165 \or or\   or\   or\   %

```



```

3166 \or %fi\
3167 }
3168 \def\xepersian@tartibi#1{%
3169 \ifcase#1 \or or\ or\ or\ %
3170 \or or\ or\ or\ or\ %
3171 \or or\ or\ or\ %
3172 \or or\ or\ %
3173 \or or\ or\ %fi\
3174 }
3175 \def\xepersian@yekanv#1{%
3176 \ifcase#1 \@empty\or or\ or\ or\ or\ or\ %
3177 \or or\ or\ or\ or\ or\ %
3178 \or or\ or\ or\ %
3179 \or or\ %fi\
3180 }
3181 \providecommand*\xpg@warning}[1]{%
3182   \PackageWarning{XePersian}%
3183   {#1}}
3184 \if@bidi@csundef{@abjad}{%
3185 \def\@abjad#1{%
3186 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
3187 \else
3188 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
3189 \else
3190 \ifnum#1<10\expandafter\abj@num@i\number#1%
3191 \else
3192 \ifnum#1<100\expandafter\abj@num@ii\number#1%
3193 \else
3194 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
3195 \else
3196 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
3197 \fi
3198 \fi
3199 \fi
3200 \fi
3201 \fi
3202 \fi
3203 }
3204 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
3205 \let\abjadnumeral\@abjad
3206 \def\abjad@zero{}
3207 \def\abj@num@i#1{%
3208 \ifcase#1\or or\ or\ or\ %
3209 \or or\ or\ or\ or\ fi\
3210 \ifnum#1=\z@\abjad@zero\fi}
3211 \def\abj@num@ii#1{%
3212 \ifcase#1\or or\ or\ or\ or\ %
3213 \or or\ or\ or\ or\ fi\
3214 \ifnum#1=\z@\fi\abj@num@i}
3215 \def\abj@num@iii#1{%

```



```

3216 \ifcase#1\or or\ or\ or\ or\ %
3217 \or or\ or\ or\ fi\
3218 \ifnum#1=\z@\fi\abj@num@iii}
3219 \def\abj@num@iv#1{%
3220 \ifcase#1\or fi\
3221 \ifnum#1=\z@\fi\abj@num@iii}
3222 }{}
3223 \let\@latinalph\@alph%
3224 \let\@latinAlph\@Alph%
3225 \def\LatinAlphs{%
3226 \let\@alph\@latinalph%
3227 \let\@Alph\@latinAlph%
3228 }
3229 \def\thempfootnote{\@itshape\@latinalph\c@mpfootnote}}
3230 \renewcommand*{\bidi@thebibliography@font@hook}{%
3231 \if@LTRbibitems
3232 \resetlatinfont
3233 \fi}
3234 \bidi@AfterEndPreamble{%
3235 \if@bidi@csundef{persianfont}}{%
3236 \PackageError{xepersian}{You have not specified any font\MessageBreak
3237 for the main Persian text}{Use '\settextfont' to load a font.}%
3238 }{}
3239 \@ifdefinitionfileloaded{loadingorder-xetex-bidi}{\input{loadingorder-xepersian.def}}{}
3240 \@ifdefinitionfileloaded{footnote-xetex-bidi}{\input{footnote-xepersian.def}}{}
3241 \@ifpackageloaded{appendix}{\input{appendix-xepersian.def}}{}
3242 \@ifpackageloaded{listings}{\input{listings-xepersian.def}}{}
3243 \@ifpackageloaded{algorithmic}{\input{algorithmic-xepersian.def}}{}
3244 \@ifpackageloaded{algorithm}{\input{algorithm-xepersian.def}}{}
3245 \@ifpackageloaded{backref}{\input{backref-xepersian.def}}{}
3246 \@ifpackageloaded{flowfram}{\input{flowfram-xepersian.def}}{}
3247 \@ifpackageloaded{bidiuftesidenote}{\input{bidiuftesidenote-xepersian.def}}{}
3248 \@ifpackageloaded{breqn}{\input{breqn-xepersian.def}}{}
3249 \@ifpackageloaded{enumerate}{\input{enumerate-xepersian.def}}{}
3250 \@ifpackageloaded{enumitem}{\input{enumitem-xepersian.def}}{}
3251 \@ifpackageloaded{framed}{\input{framed-xepersian.def}}{}
3252 \@ifpackageloaded{glossaries}{\input{glossaries-xepersian.def}}{}
3253 \@ifpackageloaded{hyperref}{\input{hyperref-xepersian.def}}{}
3254 \@ifpackageloaded{minitoc}{\input{minitoc-xepersian.def}}{}
3255 \@ifpackageloaded{natbib}{\input{natbib-xepersian.def}}{}
3256 \@ifpackageloaded{soul}{\input{soul-xepersian.def}}{}
3257 \@ifpackageloaded{tkz-linknodes}{\input{tkz-linknodes-xepersian.def}}{}
3258 \@ifpackageloaded{tocloft}{\@ifclassloaded{memoir}}{\input{tocloft-xepersian.def}}{}
3259 \@ifclassloaded{article}{\input{article-xepersian.def}}{}
3260 \@ifclassloaded{extarticle}{\input{extarticle-xepersian.def}}{}
3261 \@ifclassloaded{artikel1}{\input{artikel1-xepersian.def}}{}
3262 \@ifclassloaded{artikel2}{\input{artikel2-xepersian.def}}{}
3263 \@ifclassloaded{artikel3}{\input{artikel3-xepersian.def}}{}
3264 \@ifclassloaded{amsart}{\input{amsart-xepersian.def}}{}
3265 \@ifclassloaded{bidimoderncv}{\input{bidimoderncv-xepersian.def}}{}

```



```

3266 \ifclassloaded{report}{\input{report-xepersian.def}}{}
3267 \@ifclassloaded{extreport}{\input{extreport-xepersian.def}}{}
3268 \ifclassloaded{rapport1}{\input{rapport1-xepersian.def}}{}
3269 \ifclassloaded{rapport3}{\input{rapport3-xepersian.def}}{}
3270 \ifclassloaded{scrartcl}{\input{scrartcl-xepersian.def}}{}
3271 \ifclassloaded{scrbook}{\input{scrbook-xepersian.def}}{}
3272 \ifclassloaded{scrreprt}{\input{scrreprt-xepersian.def}}{}
3273 \ifclassloaded{amsbook}{\input{amsbook-xepersian.def}}{}
3274 \ifclassloaded{boek3}{\input{boek3-xepersian.def}}{}
3275 \ifclassloaded{boek}{\input{boek-xepersian.def}}{}
3276 \ifclassloaded{bookest}{\input{bookest-xepersian.def}}{}
3277 \ifclassloaded{extbook}{\input{extbook-xepersian.def}}{}
3278 \@ifclassloaded{book}{\input{book-xepersian.def}}{}
3279 \ifclassloaded{refrep}{\input{refrep-xepersian.def}}{}
3280 \ifclassloaded{memoir}{\input{memoir-xepersian.def}}{}
3281 \ifclassloaded{imsproc}{\input{imsproc-xepersian.def}}{}
3282 \define@choicekey{xepersian.sty}{mathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3283 \ifcase\xepersian@tempb\relax
3284 \AutoMathsDigits
3285 \or
3286 \DefaultMathsDigits
3287 \or
3288 \PersianMathsDigits
3289 \fi}
3290 \define@choicekey{xepersian.sty}{inlinemathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3291 \ifcase\xepersian@tempb\relax
3292 \AutoInlineMathsDigits
3293 \or
3294 \DefaultInlineMathsDigits
3295 \or
3296 \PersianInlineMathsDigits
3297 \fi}
3298 \define@choicekey{xepersian.sty}{displaymathdigits}[\xepersian@tempa\xepersian@tempb]{automatic,default}
3299 \ifcase\xepersian@tempb\relax
3300 \AutoDisplayMathsDigits
3301 \or
3302 \DefaultDisplayMathsDigits
3303 \or
3304 \PersianDisplayMathsDigits
3305 \fi}
3306 \define@choicekey{xepersian.sty}{RTLdocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3307 \ifcase\xepersian@tempb\relax
3308 \@RTLtrue
3309 \or
3310 \@RTLfalse
3311 \fi}
3312
3313 \define@choicekey{xepersian.sty}{documentdirection}[\xepersian@tempa\xepersian@tempb]{righttoleft,default}
3314 \ifcase\xepersian@tempb\relax
3315 \@RTLtrue

```



```

3316 \or
3317 \RTLfalse
3318 \fi}
3319
3320
3321 \define@choicekey{xepersian.sty}{tabledirection}[\xepersian@tempa\xepersian@tempb]{righttoleft
3322 \ifcase\xepersian@tempb\relax
3323 \RTLtabtrue
3324 \or
3325 \RTLtabfalse
3326 \fi}
3327
3328 \define@choicekey{xepersian.sty}{script}[\xepersian@tempa\xepersian@tempb]{latin,nonlatin}[lat
3329 \ifcase\xepersian@tempb\relax
3330 \nonlatinfalse
3331 \or
3332 \nonlatintrue
3333 \fi}
3334
3335 \define@choicekey{xepersian.sty}{rldocument}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3336 \ifcase\xepersian@tempb\relax
3337 \RTLtrue
3338 \or
3339 \RTLfalse
3340 \fi}
3341 \define@choicekey{xepersian.sty}{footnoterule}[\xepersian@tempa\xepersian@tempb]{automatic,lef
3342 \ifcase\xepersian@tempb\relax
3343 \autofootnoterule
3344 \or
3345 \leftfootnoterule
3346 \or
3347 \rightfootnoterule
3348 \or
3349 \SplitFootnoteRule
3350 \or
3351 \textwidthfootnoterule
3352 \fi}
3353 \define@choicekey{xepersian.sty}{footnotedirection}[\xepersian@tempa\xepersian@tempb]{righttol
3354 \ifcase\xepersian@tempb\relax
3355 \RTL@footnotetrue
3356 \or
3357 \RTL@footnotefalse
3358 \fi}
3359 \define@choicekey{xepersian.sty}{debugfootnotedirection}[\xepersian@tempa\xepersian@tempb]{on,
3360 \ifcase\xepersian@tempb\relax
3361 \footdir@debugtrue
3362 \or
3363 \footdir@debugfalse
3364 \fi}
3365 \define@choicekey{xepersian.sty}{Kashida}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%

```



```

3366 \ifcase\xepersian@tempb\relax
3367 \input{kashida-xepersian.def}
3368 \fi}
3369 \define@choicekey{xepersian.sty}{localise}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3370 \ifcase\xepersian@tempb\relax
3371 \input{localise-xepersian.def}
3372 \fi}
3373 \define@choicekey{xepersian.sty}{extrafootnotefeatures}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3374 \ifcase\xepersian@tempb\relax
3375 \@extrafootnotefeaturestrue
3376 \or
3377 \@extrafootnotefeaturesfalse
3378 \fi}
3379 \define@choicekey{xepersian.sty}{quickindex}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3380 \ifcase\xepersian@tempb\relax
3381 \PackageWarning{xepersian}{Obsolete option}%
3382 \ifwritexviii%
3383 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3384 \renewcommand\printindex{\newpage%
3385 \immediate\closeout\@indexfile
3386 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname.
3387 \@input@{\jobname.ind}}}%
3388 \else
3389 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run "
3390 \fi
3391 \fi}
3392 \define@choicekey{xepersian.sty}{quickindex-variant1}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3393 \ifcase\xepersian@tempb\relax
3394 \ifwritexviii%
3395 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3396 \renewcommand\printindex{\newpage%
3397 \immediate\closeout\@indexfile
3398 \immediate\write18{xindy -L persian-variant1 -C utf8 -M texindy -M page-ranges \jobnam
3399 \@input@{\jobname.ind}}}%
3400 \else
3401 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3402 \fi
3403 \fi}
3404 \define@choicekey{xepersian.sty}{quickindex-variant2}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3405 \ifcase\xepersian@tempb\relax
3406 \ifwritexviii%
3407 \@ifclassloaded{memoir}{\PackageError{xepersian}{This feature does not yet work with th
3408 \renewcommand\printindex{\newpage%
3409 \immediate\closeout\@indexfile
3410 \immediate\write18{xindy -L persian-variant2 -C utf8 -M texindy -M page-ranges \jobname
3411 \@input@{\jobname.ind}}}%
3412 \else
3413 \PackageError{xepersian}{"shell escape" (or "write18") is not enabled. You need to run
3414 \fi
3415 \fi}

```



```

3416 \define@choicekey{xepersian.sty}{abjadvariant}[\xepersian@tempa\xepersian@tempb]{one,two}{%
3417   \ifcase\xepersian@tempb\relax
3418     \def\PersianAlphs{%
3419       \let\@alph\@abjad%
3420       \let\@Alph\@abjad%
3421     }
3422   \or
3423     \def\PersianAlphs{%
3424       \let\@alph\@Abjad%
3425       \let\@Alph\@Abjad%
3426     }
3427   \fi}
3428 \DeclareOptionX{defaultlatinfontfeatures}{%
3429   \defaultfontfeatures
3430   [\latinfont]
3431   {#1}
3432 }
3433
3434
3435 \define@choicekey{xepersian.sty}{computeautoilg}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3436   \ifcase\xepersian@tempb\relax
3437     \xepersian@@computeautoilgtrue
3438   \or
3439     \xepersian@@computeautoilgfalse
3440   \fi}
3441
3442 \define@choicekey{xepersian.sty}{DetectColumn}[\xepersian@tempa\xepersian@tempb]{on,off}[on]{%
3443   \ifcase\xepersian@tempb\relax
3444     \def\bidi@firstcolumn@status@write{%
3445       \protected@write\@auxout{}%
3446         {\string\bidi@column@status
3447          {1}}}%
3448     \def\bidi@lastcolumn@status@write{%
3449       \protected@write\@auxout{}%
3450         {\string\bidi@column@status{2}}}%
3451   \or
3452     \let\bidi@firstcolumn@status@write\relax
3453     \let\bidi@lastcolumn@status@write\relax
3454   \fi}
3455
3456
3457 \ExecuteOptionsX{%
3458   documentdirection=righttoleft,
3459   tabledirection=righttoleft,
3460   script=nonlatin,
3461   footnotedirection=righttoleft,
3462   footnoterule=automatic,
3463   abjadvariant=two,
3464   DetectColumn=off
3465 }

```




```

3466
3467 \ProcessOptionsX
3468
3469 \if@extrafootnotefeatures
3470   \input{extrafootnotefeatures-xetex-bidi.def}
3471   \input{extrafootnotefeatures-xepersian.def}
3472 \fi
3473
3474 \if@xepersian@@computeautoilg
3475 \bidi@patchcmd{\set@fontsize}{%
3476 \baselineskip\f@baselineskip\relax
3477 }{%
3478 \baselineskip\f@baselineskip\relax
3479 \xepersian@computeautoilg
3480 \ifdim\xepersian@strutilg>\baselineskip
3481   \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
3482   \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
3483   \baselineskip\xepersian@strutilg
3484   \ifdim\footnotesep=.7\baselineskip
3485     \else
3486       \footnotesep.7\baselineskip
3487   \fi
3488 \fi
3489 }{}{}
3490 \fi
3491
3492 \setlatintextfont[ExternalLocation,BoldFont={lmroman10-bold},BoldItalicFont={lmroman10-bolditalic}]
3493 \PersianAlphs

```

7.57 xepersian-magazine.cls

```

3494 \NeedsTeXFormat{LaTeX2e}
3495 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
3496 \RequirePackage{ifthen}
3497 \newlength{\xepersian@ingsize}
3498 \newlength{\xepersian@coltitsize}
3499 \newlength{\xepersian@pageneed}
3500 \newlength{\xepersian@pageleft}
3501 \newlength{\xepersian@indexwidth}
3502 \newcommand{\xepersian@ncolumns}{0}
3503 \newlength{\columnlines}
3504 \setlength{\columnlines}{0 pt} % no lines by default
3505 \newboolean{xepersian@hyphenatedtitles}
3506 \setboolean{xepersian@hyphenatedtitles}{true}
3507 \newboolean{xepersian@ninepoints}
3508 \setboolean{xepersian@ninepoints}{false}
3509 \newboolean{xepersian@showgrid}
3510 \setboolean{xepersian@showgrid}{false}
3511 \newboolean{xepersian@a3paper}
3512 \setboolean{xepersian@a3paper}{false}

```



```

3513 \newboolean{xepersian@insidefrontpage}
3514 \setboolean{xepersian@insidefrontpage}{false}
3515 \newboolean{xepersian@insideweather}
3516 \setboolean{xepersian@insideweather}{false}
3517 \newboolean{xepersian@insideindex}
3518 \setboolean{xepersian@insideindex}{false}
3519 \newcount\xepersian@gridrows
3520 \newcount\xepersian@gridcolumns
3521 \xepersian@gridrows=40
3522 \xepersian@gridcolumns=50
3523 \newcount\minraggedcols
3524 \minraggedcols=5
3525 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
3526 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
3527 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
3528 \DeclareOption{twocolumn}%
3529 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
3530 \DeclareOption{notitlepage}%
3531 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
3532 \DeclareOption{twoside}%
3533 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
3534 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
3535 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
3536 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
3537 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
3538 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
3539 \ProcessOptions\relax
3540 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
3541 \RequirePackage{ifxetex}
3542 \RequirePackage{multido}
3543 \RequirePackage{datetime}
3544 \RequirePackage{multicol}
3545 \RequirePackage{fancyhdr}
3546 \RequirePackage{fancybox}
3547 \ifthenelse{\boolean{xepersian@a3paper}}{%
3548 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3549 }{
3550 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
3551 }
3552 \RequirePackage[absolute]{textpos} % absolute positioning
3553 \RequirePackage{hyphenat} % when hyphenate
3554 \RequirePackage{lastpage} % to know the last page number
3555 \RequirePackage{setspace} % set space between lines
3556 \RequirePackage{ragged2e}
3557 \newcommand{\raggedFormat}{\RaggedLeft}
3558 \AtEndOfClass{\xepersian@init}
3559 \ifthenelse{\boolean{xepersian@showgrid}}{%
3560 \AtBeginDocument{
3561 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3562 \advance\minraggedcols by -1

```



```

3563 }{%
3564 \AtBeginDocument{
3565 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
3566 \advance\minraggedcols by -1
3567 }
3568 \ifthenelse{\boolean{xepersian@ninepoints}}{
3569 \renewcommand{\normalsize}{%
3570 \setfontsize{\normalsize}{9pt}{10pt}%
3571 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
3572 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3573 \setlength{\abovedisplayskip}{3pt plus 1pt minus 2pt}%
3574 \setlength{\belowdisplayskip}{\abovedisplayskip}}
3575
3576 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
3577
3578 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
3579
3580 \renewcommand{\small}{%
3581 \setfontsize{\small}{8pt}{9pt}%
3582 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
3583 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3584 \setlength{\abovedisplayskip}{2pt plus 1pt}%
3585 \setlength{\belowdisplayskip}{\abovedisplayskip}}
3586
3587 \renewcommand{\footnotesize}{%
3588 \setfontsize{\footnotesize}{8pt}{9pt}%
3589 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
3590 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3591 \setlength{\abovedisplayskip}{2pt plus 1pt}%
3592 \setlength{\belowdisplayskip}{\abovedisplayskip}}
3593
3594 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
3595 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
3596 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
3597 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
3598 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
3599 }{}
3600 \def\customwwwTxt#1{\gdef\@customwwwTxt{\lr{#1}}}
3601 \newcommand{\xepersian@wwwFormat}{\sfseries}
3602 \newcommand{\xepersian@www}{%
3603 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
3604 }
3605 \newcommand{\xepersian@edition}{ {
3606 \newcommand{\editionFormat}{\large\bfseries\texttt}
3607 \newcommand{\xepersian@editionLogo}{%
3608 \raisebox{-3pt}{%
3609 {\editionFormat\xepersian@edition}%
3610 }%
3611 }
3612 \newcommand{\indexFormat}{\large\bfseries}

```



```

3613 \newcommand{\xepersian@indexFrameTitle}[1]
3614 {\begin{flushright}{\indexFormat #1}\end{flushright}}
3615
3616 \newcommand{\indexEntryFormat}{\normalsize}
3617 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
3618 {\indexEntryFormat\noindent\ignorespaces{#1}}%
3619 \end{minipage}}
3620 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
3621 \newcommand{\indexEntryPageTxt}{ }
3622 \newcommand{\indexEntryPageFormat}{\footnotesize}
3623 \newcommand{\xepersian@indexEntryPage}[1]{%
3624 {\indexEntryPageFormat{\indexEntryPageTxt{~#1}}}%
3625 }
3626 \newcommand{\headDateTimeFormat}{ }
3627 \newcommand{\xepersian@headDateTime}{%
3628 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}}%
3629 \currenttime %
3630 }
3631 \newcommand{\weatherFormat}{\bfseries}
3632 \newcommand{\xepersian@weather}[1]{%
3633 \noindent{\weatherFormat #1}%
3634 }
3635 \newcommand{\weatherTempFormat}{\small}
3636 \newcommand{\weatherUnits}{\textdegree{C}}
3637 \newcommand{\xepersian@section}[0]{ {
3638 \newcommand{\xepersian@headleft}{%
3639 {\small\bfseries \@custommagazinename} \date
3640 }
3641 \newcommand{\xepersian@headcenter}{%
3642 \xepersian@section{
3643 }
3644 \newcommand{\xepersian@headright}{%
3645 \small\xepersian@edition%
3646 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
3647 }
3648
3649 \newcommand{\heading}[3]{%
3650 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
3651 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
3652 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
3653 }
3654 \newcommand{\xepersian@footright}{%
3655 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
3656 }
3657 \newcommand{\xepersian@footcenter}{%
3658 }
3659 \newcommand{\xepersian@footleft}{%
3660 }
3661
3662 \newcommand{\foot}[3]{%

```



```

3663 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
3664 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
3665 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
3666 }
3667 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
3668 \newcommand{\xepersian@firstTitle}[1]{%
3669 {%
3670 \begin{spacing}{2.0}{%
3671 \noindent\ignorespaces
3672 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3673 {\nohyphens{\firstTitleFormat #1}}%
3674 {\{\firstTitleFormat #1}}%
3675 }%
3676 \end{spacing}%
3677 }%
3678 }
3679 \newcommand{\firstTextFormat}{%
3680 \newcommand{\xepersian@firstText}[1]{%
3681 {\noindent\ignorespaces\firstTextFormat #1}%
3682 }
3683 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
3684 \newcommand{\xepersian@secondTitle}[1]{%
3685 \begin{spacing}{1.5}{%
3686 \noindent\ignorespaces\flushright
3687 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3688 {\nohyphens{\secondTitleFormat #1}}%
3689 {\{\secondTitleFormat #1}}%
3690 }\end{spacing}%
3691 }
3692 \newcommand{\secondSubtitleFormat}{\large}
3693 \newcommand{\xepersian@secondSubtitle}[1]{%
3694 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
3695 }
3696 \newcommand{\secondTextFormat}{%
3697 \newcommand{\xepersian@secondText}[1]{%
3698 \begin{multicols}{2}
3699 {\noindent\ignorespaces\secondTextFormat #1}
3700 \end{multicols}
3701 }
3702 \newcommand{\thirdTitleFormat}{\Large\bfseries}
3703 \newcommand{\xepersian@thirdTitle}[1]{%
3704 \begin{spacing}{1.5}{%
3705 \noindent\ignorespaces\flushright
3706 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3707 {\nohyphens{\thirdTitleFormat #1}}%
3708 {\{\thirdTitleFormat #1}}%
3709 }\end{spacing}%
3710 }
3711 \newcommand{\thirdSubtitleFormat}{\large}
3712 \newcommand{\xepersian@thirdSubtitle}[1]{%

```



```

3713 {{\noindent\ignorespaces\thirdSubtitleFormat #1}}
3714 \newcommand{\thirdTextFormat}{}
3715 \newcommand{\xepersian@thirdText}[1]{{\thirdTextFormat #1}}
3716 \newcommand{\pictureCaptionFormat}{\small\bfseries}
3717 \newcommand{\xepersian@pictureCaption}[1]{%
3718 {\noindent\pictureCaptionFormat #1}%
3719 }
3720 \newcommand{\pagesFormat}{\bfseries\footnotesize}
3721 \newcommand{\xepersian@pages}[1]%
3722 {\noindent{\pagesFormat\MakeUppercase{#1}}}
3723 \newcommand{\innerTitleFormat}{\Huge}
3724 \newcommand{\xepersian@innerTitle}[1]{%
3725 \begin{flushright}{%
3726 \noindent
3727 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}%
3728 {\nohyphens{\innerTitleFormat #1}}%
3729 {\innerTitleFormat #1}}%
3730 }%
3731 \\%
3732 \end{flushright}}%
3733 }
3734 \newcommand{\innerSubtitleFormat}{\large}
3735 \newcommand{\xepersian@innerSubtitle}[1]{{\innerSubtitleFormat #1}}
3736 \newcommand{\timestampTxt}{}
3737 \newcommand{\timestampSeparator}{|}
3738 \newcommand{\timestampFormat}{\small}
3739 \newcommand{\timestamp}[1]{%
3740 {\timestampFormat%
3741 #1~\timestampTxt}%
3742 }~\timestampSeparator}%
3743 }
3744 \newcommand{\innerAuthorFormat}{\footnotesize}
3745 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
3746 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
3747 \newcommand{\editorialTitleFormat}{\LARGE\textit}
3748 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
3749 \newcommand{\editorialAuthorFormat}{\textsc}
3750 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
3751 \newcommand{\xepersian@shortarticleTitle}[1]{{\shortarticleTitleFormat #1}}
3752 \newcommand{\shortarticleSubtitleFormat}{\Large}
3753 \newcommand{\xepersian@shortarticleSubtitle}[1]{{\shortarticleSubtitleFormat #1}}
3754 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
3755 \newcommand{\xepersian@shortarticleItemTitle}[1]{{\shortarticleItemTitleFormat #1}}
3756 \renewcommand{\maketitle}{\begin{titlepage}%
3757 \let\footnotesize\small
3758 \let\footnoterule\relax
3759 \let\footnote\thanks
3760 \null\vfil
3761 \vskip 60\p@
3762 \begin{center}%

```



```

3763 {\LARGE \@title \par}%
3764 \vskip 1em%
3765 {\LARGE «\xepersian@edition» \par}%
3766 \vskip 3em%
3767 {\large
3768 \lineskip .75em%
3769 \begin{tabular}[t]{c}%
3770 \@author
3771 \end{tabular}\par}%
3772 \vskip 1.5em%
3773 {\large \@date \par}%
3774 \end{center}\par
3775 \@thanks
3776 \vfil\null
3777 \end{titlepage}%
3778 \setcounter{footnote}{0}%
3779 \global\let\thanks\relax
3780 \global\let\maketitle\relax
3781 \global\let\@thanks\@empty
3782 \global\let\@author\@empty
3783 \global\let\@date\@empty
3784 \global\let\@title\@empty
3785 \global\let\title\relax
3786 \global\let\author\relax
3787 \global\let\date\relax
3788 \global\let\and\relax
3789 }
3790 \newcommand{\xepersian@say}[1]{\typeout{#1}}
3791 \newsavebox{\xepersian@fmbox}
3792 \newenvironment{xepersian@fmpage}[1]
3793 {\begin{lrbox}{\xepersian@fmbox}\begin{minipage}{#1}}
3794 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbox}}}
3795 \newcommand{\image}[2]{
3796 \vspace{5pt}
3797 \setlength{\fboxsep}{1pt}
3798 \addtolength{\xepersian@imgsize}{\columnwidth}
3799 \addtolength{\xepersian@imgsize}{-1\columnsep}
3800 \ifxetex
3801 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
3802 \addtolength{\xepersian@pageneed}{50pt}
3803 \ClassWarning{xepersian-magazine}{%
3804 Image #1 needs: \the\xepersian@pageneed \space %
3805 and there is left: \the\page@free\space%
3806 }
3807 \ifdim \xepersian@pageneed < \page@free
3808
3809 {\centering\fbox{%
3810 \includegraphics[width = \xepersian@imgsize,
3811 height = \xepersian@imgsize,
3812 keepaspectratio ]{#1}}}

```



```

3813 \xepersian@pictureCaption{#2}
3814
3815 \vspace{5pt}
3816 \else
3817 \ClassWarning{Image #1 needs more space!%
3818   It was not inserted!}
3819 \fi
3820 \fi
3821 }
3822 \textblockorigin{1cm}{1cm}
3823 \newdimen\xepersian@dx
3824 \newdimen\xepersian@dy
3825 \newcount\xepersian@cx
3826 \newcount\xepersian@cy
3827 \newcommand{\grid}[3][]{
3828   \xepersian@dx=\textwidth%
3829   \xepersian@dy=\textheight%
3830   \xepersian@cx=#3% %columns
3831   \xepersian@cy=#2% %rows
3832
3833   \count1=#3%
3834   \advance\count1 by 1
3835
3836   \count2=#2%
3837   \advance\count2 by 1
3838
3839   \divide\xepersian@dx by #3
3840   \divide\xepersian@dy by #2
3841
3842   \setlength{\TPHorizModule}{\xepersian@dx}
3843   \setlength{\TPVertModule}{\xepersian@dy}
3844
3845   \ifthenelse{\equal{#1}{show}}{
3846     \multido{\xepersian@nrow=0+1}{\count2}{
3847       \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
3848       \rule[0pt]{\textwidth}{.1pt}
3849       \end{textblock}
3850     }
3851
3852     \multido{\xepersian@ncol=0+1}{\count1}{
3853       \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
3854       \rule[0pt]{.1pt}{\textheight}
3855       \end{textblock}
3856     }
3857   }{}
3858 }
3859 \newcommand{\xepersianInit}{
3860   \setlength{\headheight}{14pt}
3861   \renewcommand{\headrulewidth}{0.4pt}
3862

```




```

3863 \pagestyle{fancy}
3864
3865 \setlength{\columnseprule}{\columnlines}
3866 \setlength{\fboxrule}{0.1 pt}
3867
3868 }
3869
3870 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
3871 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
3872 \def\custommagazinenamename#1{\gdef\@custommagazinenamename{\beginR#1\endR}}
3873 \newcommand{\logo}[0]{
3874 %% Heading %%
3875 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
3876
3877 \vspace*{-3pt}
3878
3879 {\Large\bfseries \@customlogo}
3880 \hrulefill
3881 \hspace{10pt}\xepersian@headDateTime
3882
3883 }
3884 \newcommand{\minilogo}[0]{
3885 {\large\bfseries \@customminilogo}
3886
3887 \vspace*{5pt}
3888 }
3889 \newcommand{\mylogo}[1]{
3890 {\beginR#1\endR}
3891
3892 \noindent
3893 \xepersian@editionLogo\hspace{5pt}
3894 \hrulefill
3895 \hspace{5pt}\xepersian@headDateTime
3896 }
3897 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
3898 \newenvironment{frontpage}[0]
3899 {
3900 \setboolean{xepersian@insidefrontpage}{true}
3901 \thispagestyle{empty}
3902 \logo
3903
3904 }%
3905 {
3906 \thispagestyle{empty}
3907 \clearpage
3908 \newpage
3909 \fancyhead{}
3910 \fancyfoot{}
3911 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
3912 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}

```



```

3913 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
3914 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
3915 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
3916 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
3917 \renewcommand{\headrulewidth}{0.4pt}
3918 \setboolean{xepersian@insidefrontpage}{false}
3919
3920 }
3921 \newcommand{\firstarticle}[3]
3922 {
3923 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3924 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
3925 \begin{textblock}{24}(22,5)
3926 }
3927 {
3928 \begin{textblock}{28}(22,5)
3929 }
3930 \vspace{-7pt}
3931 \xepersian@firstTitle{#1}
3932 \end{textblock}
3933 \begin{textblock}{29}(22,10)
3934 \vspace{5pt plus 2pt minus 2pt}
3935
3936 \xepersian@firstText{\timestamp{#3}~#2}
3937
3938 \end{textblock}
3939
3940 \begin{textblock}{50}(0,15)
3941 \rule{50\TPHorizModule}{.3pt}
3942 \end{textblock}
3943 }{%else
3944 \ClassError{xepersian-magazine}{%
3945 \protect\firstarticle\space in a wrong place.\MessageBreak
3946 \protect\firstarticle\space may only appear inside frontpage environment.
3947 }{%
3948 \protect\firstarticle\space may only appear inside frontpage environment.
3949 }%
3950 }
3951 }
3952 \newcommand{\secondarticle}[5]
3953 {
3954 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3955 \begin{textblock}{33}(2,16)
3956 \xepersian@pages{#4}
3957 \vspace{-5pt}
3958 \xepersian@secondTitle{#1}
3959
3960 \vspace*{5pt}
3961
3962 \xepersian@secondSubtitle{#2}

```



```

3963
3964 \vspace*{-7pt}
3965
3966 \xepersian@secondText{\timestamp{#5}~#3}
3967
3968 \end{textblock}
3969
3970 \begin{textblock}{33}(2,25)
3971 \vspace{5pt plus 2pt minus 2pt}
3972
3973 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
3974 \end{textblock}
3975 }{%else
3976 \ClassError{xepersian-magazine}{%
3977 \protect\secondarticle\space in a wrong place.\MessageBreak
3978 \protect\secondarticle\space may only appear inside frontpage environment.
3979 }{%
3980 \protect\secondarticle\space may only appear inside frontpage environment.
3981 }%
3982 }
3983 }
3984 \newcommand{\thirdarticle}[6]
3985 {
3986 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
3987 \begin{textblock}{32}(2,26)
3988 \xepersian@pages{#5}
3989 \vspace{-5pt}
3990 \setlength{\fboxsep}{1pt}
3991 \xepersian@thirdTitle{#1}
3992
3993 \vspace*{5pt}
3994
3995 \xepersian@thirdSubtitle{#2}
3996
3997 \vspace*{5pt}
3998
3999 {\noindent\ignorespaces %
4000 \ifthenelse{\equal{#4}{}}{}
4001
4002 \xepersian@thirdText{\timestamp{#6}~#3}
4003
4004 }
4005
4006 \vspace*{5pt}
4007
4008 \end{textblock}
4009 }{%else
4010 \ClassError{xepersian-magazine}{%
4011 \protect\thirdarticle\space in a wrong place.\MessageBreak
4012 \protect\thirdarticle\space may only appear inside frontpage environment.

```



```

4013 }{%
4014 \protect\thirdarticle\space may only appear inside frontpage environment.
4015 }%
4016 }
4017 }
4018 \newcommand{\firstimage}[2]
4019 {
4020 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4021 \begin{textblock}{18}(2,5)
4022 \setlength{\fboxsep}{1pt}
4023 \ifxetex % only in PDF
4024 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4025 \fi
4026
4027 \xepersian@pictureCaption{#2}
4028 \end{textblock}%
4029 }
4030 {\ClassError{xepersian-magazine}{%
4031 \protect\firstimage\space in a wrong place.\MessageBreak
4032 \protect\firstimage\space may only appear inside frontpage environment.
4033 }{%
4034 \protect\firstimage\space may only appear inside frontpage environment.
4035 }}
4036 }%
4037 \newcommand{\weatheritem}[5]{%
4038 \ifthenelse{\boolean{xepersian@insideweather}}{
4039 \begin{minipage}{45pt}
4040 \ifxetex
4041 \includegraphics[width=40pt]{#1}
4042 \fi
4043 \end{minipage}
4044 \begin{minipage}{50pt}
4045 \weatherTempFormat
4046 #2\\
4047 \beginL#3 $||$ #4 \lr{\weatherUnits{}}\endL\\
4048 #5
4049 \end{minipage}
4050 }{%else
4051 \ClassError{xepersian-magazine}{%
4052 \protect\weatheritem\space in a wrong place.\MessageBreak
4053 \protect\weatheritem\space may only appear inside weatherblock environment.
4054 }{%
4055 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4056 weatherblock environment may only appear inside frontpage environment.
4057 }%
4058 }
4059 }
4060 \newenvironment{weatherblock}[1]
4061 {
4062 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%

```



```

4063 \setboolean{xepersian@insideweather}{true}
4064 \begin{textblock}{32}(2,38)
4065 \vspace*{-15pt}
4066
4067 \xepersian@weather{\beginR#1\endR}
4068
4069 \vspace*{5pt}
4070
4071 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4072 \begin{minipage}{32\TPHorizModule}
4073 \hspace{5pt}
4074
4075 }{%
4076 \ClassError{xepersian-magazine}{%
4077 weatherblock in a wrong place.\MessageBreak
4078 weatherblock may only appear inside frontpage environment.
4079 }{%
4080 weatherblock may only appear inside frontpage environment.
4081 }
4082 }
4083 }%
4084 {
4085 \end{minipage}
4086 \end{xepersian@fmpage}
4087 \end{textblock}
4088 \setboolean{xepersian@insideweather}{false}
4089 }
4090 \newenvironment{authorblock}[0]
4091 {
4092 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4093 \begin{textblock}{15}(36,35)
4094 \setlength{\fboxsep}{5pt}
4095 \begin{xepersian@fmpage}{13\TPHorizModule}
4096 \begin{minipage}{13\TPHorizModule}
4097 \centering
4098 \minilogo
4099
4100 }{%else
4101 \ClassError{xepersian-magazine}{%
4102 authorblock in a wrong place.\MessageBreak
4103 authorblock may only appear inside frontpage environment.
4104 }{%
4105 authorblock may only appear inside frontpage environment.
4106 }
4107 }
4108 }
4109 {
4110 \end{minipage}
4111 \end{xepersian@fmpage}
4112 \end{authorblock}

```



```

4113 }
4114 \newenvironment{indexblock}[1]
4115 {
4116 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4117 \setboolean{xepersian@insideindex}{true}%let's in
4118 \begin{textblock}{15}(36,16)
4119 \setlength{\xepersian@indexwidth}{13\TPHorizModule}
4120 \xepersian@indexFrameTitle{#1}
4121
4122 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4123 \begin{xepersian@fmpage}{\xepersian@indexwidth}
4124 \begin{minipage}{\xepersian@indexwidth}
4125 \vspace*{10pt}
4126 }{%else
4127 \ClassError{xepersian-magazine}{%
4128 indexblock in a wrong place.\MessageBreak
4129 indexblock may only appear inside frontpage environment.
4130 }{%
4131 indexblock may only appear inside frontpage environment.
4132 }
4133 }
4134 }%
4135 {
4136 \end{minipage}
4137 \end{xepersian@fmpage}
4138 \end{textblock}
4139 \setboolean{xepersian@insideindex}{false}%let's out
4140 }
4141 \newcommand{\indexitem}[2]
4142 {
4143 \ifthenelse{\boolean{xepersian@insideindex}}{
4144 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4145
4146 \vspace{0.5cm}
4147
4148 \noindent\ignorespaces\indexEntrySeparator{
4149 }{%else
4150 \ClassError{xepersian-magazine}{%
4151 \protect\indexitem\space in a wrong place.\MessageBreak
4152 \protect\indexitem\space may only appear inside indexblock environment.
4153 }{%
4154 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4155 indexblock environment may only appear inside frontpage environment.
4156 }%
4157 }
4158 }
4159 \newcommand{\xepersian@inexpandedtitle}[1]{
4160 \begin{minipage}{.95\textwidth}
4161 \begin{center}
4162 \noindent\Large\textbf{\beginR#1\endR}

```



```

4163 \end{center}
4164 \end{minipage}
4165 }
4166 \newcommand{\expandedtitle}[2]{
4167 \end{multicols}
4168
4169 \begin{center}
4170 \setlength{\fboxsep}{5pt}
4171 \setlength{\shadowsize}{2pt}
4172 \ifthenelse{\equal{#1}{shadowbox}}{%
4173 \shadowbox{%
4174 \xepersian@inexpandedtitle{#2}%
4175 }%
4176 }{}
4177 \ifthenelse{\equal{#1}{doublebox}}{%
4178 \doublebox{%
4179 \xepersian@inexpandedtitle{#2}%
4180 }%
4181 }{}
4182 \ifthenelse{\equal{#1}{ovalbox}}{%
4183 \ovalbox{%
4184 \xepersian@inexpandedtitle{#2}%
4185 }%
4186 }{}
4187 \ifthenelse{\equal{#1}{ovalbox}}{%
4188 \Oovalbox{%
4189 \xepersian@inexpandedtitle{#2}%
4190 }%
4191 }{}
4192 \ifthenelse{\equal{#1}{lines}}{%
4193 \hrule
4194 \vspace*{8pt}
4195 \begin{center}
4196 \noindent\Large\textbf{#2}
4197 \end{center}
4198 \vspace*{8pt}
4199 \hrule
4200 }{}
4201 \end{center}
4202
4203 \begin{multicols}{\xepersian@ncolumns{}}
4204 \ifnum \xepersian@ncolumns > \minraggedcols
4205 \raggedFormat
4206 \fi
4207 }
4208 \newcommand{\xepersian@incolumntitle}[2]{
4209 \begin{minipage}{#1}
4210 \begin{center}
4211 \noindent\normalsize\textbf{#2}
4212 \end{center}

```



```

4213 \end{minipage}
4214 }
4215
4216 \newcommand{\columntitle}[2]{
4217 \vspace*{5pt}
4218 \begin{center}
4219 \setlength{\fboxsep}{5pt}
4220 \setlength{\shadowsize}{2pt}
4221 \addtolength{\xepersian@coltitsize}{\columnwidth}
4222 \addtolength{\xepersian@coltitsize}{-1\columnsep}
4223 \addtolength{\xepersian@coltitsize}{-5pt}
4224 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
4225 \ifthenelse{\equal{#1}{shadowbox}}{%
4226 \shadowbox{%
4227 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4228 }%
4229 }{}
4230 \ifthenelse{\equal{#1}{doublebox}}{%
4231 \doublebox{%
4232 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4233 }%
4234 }{}
4235 \ifthenelse{\equal{#1}{ovalbox}}{%
4236 \ovalbox{%
4237 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4238 }%
4239 }{}
4240 \ifthenelse{\equal{#1}{ovalbox}}{%
4241 \ovalbox{%
4242 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
4243 }%
4244 }{}
4245 \ifthenelse{\equal{#1}{lines}}{
4246 \hrule
4247 \vspace*{5pt}
4248 \begin{center}
4249 \noindent\normalsize\textbf{#2}
4250 \end{center}
4251 \vspace*{5pt}
4252 \hrule
4253 }{}
4254 \end{center}
4255 }
4256 \renewcommand{\date}{%
4257 \longdate{\today}%
4258 }
4259 \newcommand{\authorandplace}[2]{%
4260 \rightline{%
4261 {\innerAuthorFormat #1},\space{\innerPlaceFormat #2}%
4262 }%

```




```

4263 \par %
4264 }
4265 \newcommand{\newsection}[1]{
4266 \renewcommand{\xepersian@section}{#1}
4267 }
4268 \newenvironment{article}[5]
4269 {
4270 \xepersian@say{Adding a new piece of article}
4271 \renewcommand{\xepersian@ncolumns}{#1}
4272 \begin{multicols}{#1}[
4273 \xepersian@pages{#4}
4274 \xepersian@innerTitle{#2}%
4275 \xepersian@innerSubtitle{#3}%
4276 ] [4cm]%
4277 \label{#5}
4278 \ifnum #1 > \minraggedcols
4279 \raggedFormat
4280 \fi
4281 }
4282 {\sim\innerTextFinalMark{}
4283 \end{multicols}
4284 }
4285 \newcommand{\articlesep}{%
4286 \setlength{\xepersian@pageneed}{16000pt}
4287 \setlength{\xepersian@pageleft}{\pagegoal}
4288 \addtolength{\xepersian@pageleft}{-\pagetotal}
4289
4290 \xepersian@say{How much left \the\xepersian@pageleft}
4291
4292 \ifdim \xepersian@pageneed < \xepersian@pageleft
4293 \xepersian@say{Not enough space}
4294 \else
4295 \xepersian@say{Adding sep line between articles}
4296 \vspace*{10pt plus 10pt minus 5pt}
4297 \hrule
4298 \vspace*{10pt plus 5pt minus 5pt}
4299 \fi
4300
4301 }
4302 \newcommand{\xepersian@editorialTit}[2]{
4303 \setlength{\arrayrulewidth}{.1pt}
4304 \begin{center}
4305 \begin{tabular}{c}
4306 \noindent
4307 \xepersian@editorialTitle{#1}
4308 \vspace{2pt plus 1pt minus 1pt}
4309 \\
4310 \hline
4311 \vspace{2pt plus 1pt minus 1pt}
4312 \\

```



```

4313 \editorialAuthorFormat{#2}
4314 \end{tabular}
4315 \end{center}
4316 }
4317 \newenvironment{editorial}[4]
4318 {
4319 \xepersian@say{Adding a new editorial}
4320 \begin{multicols}{#1}[%
4321 \xepersian@editorialTit{#2}{#3}%
4322 ] [4cm]
4323 \label{#4}
4324 \ifnum #1 > \minraggedcols
4325 \raggedFormat
4326 \fi
4327 }
4328 {
4329 \end{multicols}
4330 }
4331 \newcommand{\xepersian@shortarticleTit}[2]{
4332 \begin{center}
4333 \vbox{%
4334 \noindent
4335 \xepersian@shortarticleTitle{#1}
4336 \vspace{4pt plus 2pt minus 2pt}
4337 \hrule
4338 \vspace{4pt plus 2pt minus 2pt}
4339 \xepersian@shortarticleSubtitle{#2}
4340 }
4341 \end{center}
4342 }
4343 \newenvironment{shortarticle}[4]
4344 {
4345 \xepersian@say{Adding a short article block}
4346 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
4347 \label{#4}
4348 \par %
4349 \ifnum #1 > \minraggedcols
4350 \raggedFormat
4351 \fi
4352 }
4353 {
4354 \end{multicols}
4355 }
4356 \newcommand{\shortarticleitem}[2]{
4357 \goodbreak
4358 \vspace{5pt plus 3pt minus 3pt}
4359 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
4360 \vspace{5pt plus 3pt minus 3pt}
4361 {\noindent #2}\
4362 }

```



7.58 xepersian-mathsdigitspec.sty

```

4363 \NeedsTeXFormat{LaTeX2e}
4364 \ProvidesPackage{xepersian-mathsdigitspec}
4365 [2017/09/02 v1.1.4 Unicode Persian maths digits in XeLaTeX]
4366 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
4367 \let\newfam\new@mathgroup
4368 \def\select@group#1#2#3#4{%
4369   \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4370   {%
4371     \ifmmode
4372       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4373         \begingroup
4374           \escapechar\m@ne
4375           \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4376           \globaldefs\@ne \math@fonts
4377         \endgroup
4378         \init@restore@version
4379         \xdef#1{\noexpand\use@mathgroup\noexpand#2%
4380           {\number\csname c@mv@\math@version\endcsname}}}%
4381         \global\advance\csname c@mv@\math@version\endcsname\@ne
4382       \else
4383         \let#1\relax
4384         \latex@error{Too many math alphabets used in
4385           version \math@version}%
4386         \@eha
4387       \fi
4388     \else \expandafter\non@alpherr\fi
4389     #1{#4}%
4390   }%
4391 }
4392 \def\document@select@group#1#2#3#4{%
4393   \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
4394   {%
4395     \ifmmode
4396       \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
4397         \begingroup
4398           \escapechar\m@ne
4399           \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
4400           \globaldefs\@ne \math@fonts
4401         \endgroup
4402         \expandafter\extract@alph@from@version
4403           \csname mv@\math@version\expandafter\endcsname
4404           \expandafter{\number\csname
4405             c@mv@\math@version\endcsname}%
4406           #1%
4407         \global\advance\csname c@mv@\math@version\endcsname\@ne
4408       \else
4409         \let#1\relax
4410         \latex@error{Too many math alphabets used

```



```

4411             in version \math@version}%
4412         \@eha
4413     \fi
4414 \else \expandafter\non@alpherr\fi
4415 #1{#4}%
4416 }%
4417 }
4418 \ExplSyntaxOn
4419 \bool_set_false:N \g__fontspec_math_bool
4420 \tl_map_inline:nn
4421 {
4422   \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes
4423   \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
4424   \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
4425   \version@list\version@elt\alpha@list\alpha@elt
4426   \restore@mathversion\init@restore@version\dorestore@version\process@table
4427   \new@mathversion\DeclareSymbolFont\group@list\group@elt
4428   \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
4429   \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
4430   \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
4431   \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
4432   \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
4433   \set@@@mathdelimiter\DeclareMathRadical\mathchar@type
4434   \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
4435 }
4436 {
4437   \tl_remove_once:Nn \@preamblecmds {\do#1}
4438 }
4439 \ExplSyntaxOff
4440 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathsdigitsspec}{#1}}
4441 \newcommand\SetMathCode[4]{%
4442   \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4443 \newcommand\SetMathCharDef[4]{%
4444   \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
4445 \ExplSyntaxOn
4446 \cs_new_eq:NN \orig_mathbf:n \mathbf
4447 \cs_new_eq:NN \orig_mathit:n \mathit
4448 \cs_new_eq:NN \orig_mathrm:n \mathrm
4449 \cs_new_eq:NN \orig_mathsf:n \mathsf
4450 \cs_new_eq:NN \orig_mathtt:n \mathtt
4451 \NewDocumentCommand \new@mathbf { m } {
4452   \orig_mathbf:n {
4453     \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4454       \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
4455     }
4456     #1
4457   }
4458 }
4459 \NewDocumentCommand \new@mathit { m } {
4460   \orig_mathit:n {

```



```

4461 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4462 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
4463 }
4464 #1
4465 }
4466 }
4467 \NewDocumentCommand \new@mathrm { m } {
4468 \orig_mathrm:n {
4469 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4470 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
4471 }
4472 #1
4473 }
4474 }
4475 \NewDocumentCommand \new@mathsf { m } {
4476 \orig_mathsf:n {
4477 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4478 \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
4479 }
4480 #1
4481 }
4482 }
4483 \NewDocumentCommand \new@mathtt { m } {
4484 \orig_mathtt:n {
4485 \int_step_inline:nnnn { `0 } { \c_one } { `9 } {
4486 \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
4487 }
4488 #1
4489 }
4490 }
4491
4492 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
4493 {
4494 \__xepersian_main_setdigitfont:nnn {#1} {#2} {#3}
4495 }
4496 \cs_set:Nn \__xepersian_main_setdigitfont:nnn
4497 {
4498 \let\glb@currsize\relax
4499 \fontspec_set_family:Nnn \g__xepersian_digitsfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4500 \xepersian@PackageInfo{Defining the default Persian maths digits font as '#2'}
4501 \DeclareSymbolFont{OPERATORS} {\g_fontspec_encoding_tl}{\g__xepersian_digitsfamily_tl} {m}
4502 \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfami
4503 \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfami
4504 \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_digitsfami
4505 \def\persianmathsdigits{%
4506 \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
4507 \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
4508 \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
4509 \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
4510 \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}

```



```

4511 \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
4512 \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
4513 \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
4514 \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
4515 \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
4516 \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }

4517 \SetMathCharDef{\decimalseparator}{\mathord}{OPERATORS}{"066B}
4518 \tl_set_eq:NN \mathbf \new@mathbf
4519 \tl_set_eq:NN \mathit \new@mathit
4520 \tl_set_eq:NN \mathrm \new@mathrm}
4521 }
4522
4523
4524 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
4525 {
4526   \__xepersian_main_setmathsfdigitfont:nnn {#1} {#2} {#3}
4527 }
4528 \cs_set:Nn \__xepersian_main_setmathsfdigitfont:nnn
4529 {
4530   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4531   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathsf
4532   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
4533 }
4534
4535
4536
4537 \DeclareDocumentCommand \setmathttdigitfont { 0{} m 0{} }
4538 {
4539   \__xepersian_main_setmathttdigitfont:nnn {#1} {#2} {#3}
4540 }
4541 \cs_set:Nn \__xepersian_main_setmathttdigitfont:nnn
4542 {
4543   \fontspec_set_family:Nnn \g__xepersian_mathttdigitfamily_tl {Mapping=parsidigits,#1,#3} {#2}
4544   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_mathtt
4545   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
4546 }
4547
4548 \ExplSyntaxOff
4549 \ifx\newcommand\undefined\else
4550   \newcommand{\ZifferAn}{}
4551 \fi
4552 \mathchardef\ziffer@DotOri="013A
4553 {\ZifferAn
4554   \catcode`\.=\active\gdef.{\begingroup\obeyspaces\futurelet\n\ziffer@dcheck}}
4555 \def\ziffer@dcheck{\ziffer@check\ZifferLeer\ziffer@DotOri}
4556 \def\ziffer@check#1#2{%
4557   \ifx\n1\endgroup#1\else
4558     \ifx\n2\endgroup#1\else
4559       \ifx\n3\endgroup#1\else

```



```

4560         \ifx\n4\endgroup#1\else
4561         \ifx\n5\endgroup#1\else
4562         \ifx\n6\endgroup#1\else
4563         \ifx\n7\endgroup#1\else
4564         \ifx\n8\endgroup#1\else
4565         \ifx\n9\endgroup#1\else
4566         \ifx\n0\endgroup#1\else
4567         \ifx\n\overline\endgroup#1\else
4568         \endgroup#2%
4569         \fi
4570     \fi
4571 \fi
4572 \fi
4573 \fi
4574 \fi
4575 \fi
4576 \fi
4577 \fi
4578 \fi
4579 \fi}
4580 \mathcode`.="8000\relax
4581 \def\ZifferLeer{\ifx\decimalseparator\undefined .\else \decimalseparator\fi}
4582 \def\DefaultInlineMathsDigits{\def\SetInlineMathsDigits{}}
4583 \def\DefaultDisplayMathsDigits{\def\SetDisplayMathsDigits{}}
4584 \def\DefaultMathsDigits{%
4585     \DefaultInlineMathsDigits%
4586     \DefaultDisplayMathsDigits%
4587 }
4588 \def\PersianInlineMathsDigits{\def\SetInlineMathsDigits{%
4589 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4590 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4591 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4592 \def\PersianDisplayMathsDigits{\def\SetDisplayMathsDigits{%
4593 \ifx\persianmathsdigits\undefined\else\persianmathsdigits\fi%
4594 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
4595 \ifx\persianmathttdigits\undefined\else\persianmathttdigits\fi}}
4596 \def\PersianMathsDigits{%
4597     \PersianInlineMathsDigits%
4598     \PersianDisplayMathsDigits%
4599 }
4600 \def\AutoInlineMathsDigits{\def\SetInlineMathsDigits{%
4601 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4602 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4603 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
4604 \def\AutoDisplayMathsDigits{\def\SetDisplayMathsDigits{%
4605 \ifx\persianmathsdigits\undefined\else\if@nonlatin\persianmathsdigits\fi\fi%
4606 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
4607 \ifx\persianmathttdigits\undefined\else\if@nonlatin\persianmathttdigits\fi\fi}}
4608 \def\AutoMathsDigits{%
4609     \AutoInlineMathsDigits%

```



```

4610 \AutoDisplayMathsDigits%
4611 }
4612 \AutoMathsDigits
4613 \everymath\expandafter{\the\everymath\SetInlineMathsDigits%
4614 \let\SetDisplayMathsDigits\relax%
4615 }
4616 \everydisplay\expandafter{%
4617 \the\everydisplay\SetDisplayMathsDigits%
4618 \let\SetInlineMathsDigits\relax%
4619 }

```

7.59 xepersian-multiplechoice.sty

```

4620 \NeedsTeXFormat{LaTeX2e}
4621 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
4622 Multiple Choice Questionnaire class for Persian in XeLaTeX]
4623 \RequirePackage{pifont}
4624 \RequirePackage{fullpage}
4625 \RequirePackage{ifthen}
4626 \RequirePackage{calc}
4627 \RequirePackage{verbatim}
4628 \RequirePackage{tabularx}
4629 \def\@headerfont{\bfseries}
4630 \newcommand\headerfont[1]{\gdef\@headerfont{#1}}
4631 \def\@X{X}
4632 \newcommand\X[1]{\gdef\@X{#1}}
4633 \def\pbs#1{\let\tmp=\#1\let\=\tmp}
4634 \newcolumntype{D}{>{\pbs\centering}X}
4635 \newcolumntype{Q}{>{\@headerfont}X}
4636
4637 \renewcommand\tabularxcolumn[1]{m{#1}}
4638 \newcommand\makeform@nocorrection{%
4639 \addtocontents{frm}{\protect\end{tabularx}}
4640 \@starttoc{frm}}
4641 \newcommand\makeform@correction{%
4642 \addtocontents{frm}{\protect\end{tabularx}}}
4643 \newcommand\makemask@nocorrection{%
4644 \addtocontents{msk}{\protect\end{tabularx}}
4645 \@starttoc{msk}}
4646 \newcommand\makemask@correction{%
4647 \addtocontents{msk}{\protect\end{tabularx}}}
4648 \newlength\questionspace
4649 \setlength\questionspace{0pt}
4650 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
4651 \def\@answerstitlefont{\bfseries}
4652 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
4653 \def\@answernumberfont{\bfseries}
4654 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
4655 \newcounter{question}\stepcounter{question}
4656 \newcounter{@choice}

```




```

4657 \def\@initorcheck{%
4658   \xdef\@choices{\the@choice}%
4659   \setcounter{@choice}{1}%
4660   \gdef\@arraydesc{|Q||}%
4661   \gdef\@headerline{%
4662     \whiledo{\not{\value{@choice}>\@choices}}{
4663       \xdef\@arraydesc{\@arraydesc D|}
4664       \def\@appendheader{\g@addto@macro\@headerline}
4665       \@appendheader{&\protect\@headerfont}
4666       \edef\@the@choice{\alph{@choice}}
4667       \expandafter\@appendheader\@the@choice
4668       \stepcounter{@choice}}%
4669   \addtocontents{frm}{%
4670     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4671     \protect\hline
4672     \@headerline\protect\\\protect\hline\protect\hline}%
4673   \addtocontents{msk}{%
4674     \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
4675     \protect\hline
4676     \@headerline\protect\\\protect\hline\protect\hline}%
4677   \gdef\@initorcheck{%
4678     \ifthenelse{\value{@choice} = \@choices}{}{%
4679       \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
4680         (\the@choice\space instead of \@choices)}{%
4681         Questions must all have the same number of proposed answers.%
4682         \MessageBreak
4683         Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}}%
4684 \newenvironment{question}[1]{%
4685   %% \begin{question}
4686   \begin{minipage}{\textwidth}
4687     \xdef\@formanswerline{\@questionheader}%
4688     \xdef\@maskanswerline{\@questionheader}%
4689     \fbox{\parbox[c]{\linewidth}{#1}}
4690     \vspace\questionspace\par
4691     {\@answerstitlefont\@answerstitle}
4692     \begin{list}{\@answernumberfont\alph{@choice)}~}{\usecounter{@choice}}{%
4693   %% \end{question}
4694     \end{list}
4695     \@initorcheck%
4696     \addtocontents{frm}{\@formanswerline\protect\\\protect\hline}%
4697     \addtocontents{msk}{\@maskanswerline\protect\\\protect\hline}%
4698   \end{minipage}
4699   \stepcounter{question}}
4700 \def\@truesymbol{\ding{52}~}
4701 \def\@falsesymbol{\ding{56}~}
4702 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
4703 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
4704 \def\@true@nocorrection{\item}
4705 \def\@false@nocorrection{\item}
4706 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}

```



```

4707 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
4708 \newcommand\true{%
4709   \xdef\@formanswerline{\@formanswerline&}%
4710   \xdef\@maskanswerline{\@maskanswerline&\@X}%
4711   \@true}%
4712 \newcommand\false{%
4713   \xdef\@formanswerline{\@formanswerline&}%
4714   \xdef\@maskanswerline{\@maskanswerline&}%
4715   \@false}%
4716 \def\@correctionstyle{\itshape}
4717 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
4718 \newenvironment{correction}{\@correctionstyle}{\@correctionstyle}{}
4719 \def\@questionheader{ \thequestion}
4720 \answerstyle{ \thequestion}
4721 \DeclareOption{nocorrection}{\%
4722   \let\@true\@true@nocorrection
4723   \let\@false\@false@nocorrection
4724   \let\correction\comment
4725   \let\endcorrection\endcomment
4726   \def\makeform{\makeform@nocorrection}
4727   \def\makemask{\makemask@nocorrection}}
4728 \DeclareOption{correction}{\%
4729   \let\@true\@true@correction
4730   \let\@false\@false@correction
4731   \let\correction\@correction
4732   \let\endcorrection\end@correction
4733   \def\makeform{\makeform@correction}
4734   \def\makemask{\makemask@correction}}
4735 \ExecuteOptions{nocorrection}
4736 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
4737 \def\@questiontitlefont{\bfseries}
4738 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
4739 \newlength\questiontitlespace
4740 \setlength\questiontitlespace{5pt}
4741 \newlength\questionsepspace
4742 \setlength\questionsepspace{20pt}
4743 \gdef\@questionsepspace{0pt}
4744 \let\old@question\question
4745 \let\old@endquestion\endquestion
4746 \renewenvironment{question}[1]{\%
4747   %% \begin{question}
4748   \vspace\@questionsepspace
4749   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
4750   \nopagebreak\vspace\questiontitlespace\par
4751   \old@question{#1}}{\%
4752   %% \end{question}
4753   \old@endquestion
4754   \gdef\@questionsepspace{\questionsepspace}}
4755 \questiontitle{ \thequestion:}
4756 \ProcessOptions

```



7.60 xepersian-persiancal.sty

```

4757 \NeedsTeXFormat{LaTeX2e}
4758 \ProvidesPackage{xepersian-persiancal}[2012/07/25 v0.2 provides Persian calendar]
4759
4760 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
4761 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
4762 \newcount\XePersian@latini \newcount\XePersian@persiani
4763 \newcount\XePersian@latinii \newcount\XePersian@persianii
4764 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
4765 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
4766 \newcount\XePersian@latinvi \newcount\XePersian@persianv
4767 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
4768 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
4769 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
4770 \newcount\XePersian@latinix \newcount\XePersian@persianix
4771 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
4772 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
4773 \newcount\XePersian@latinxiii \newcount\XePersian@persianxiii
4774
4775
4776 \newcount\XePersian@temp
4777 \newcount\XePersian@temptwo
4778 \newcount\XePersian@tempthree
4779 \newcount\XePersian@yModHundred
4780 \newcount\XePersian@thirtytwo
4781 \newcount\XePersian@dn
4782 \newcount\XePersian@sn
4783 \newcount\XePersian@mminusone
4784
4785
4786 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
4787 \XePersian@temp=\XePersian@y
4788 \divide\XePersian@temp by 100\relax
4789 \multiply\XePersian@temp by 100\relax
4790 \XePersian@yModHundred=\XePersian@y
4791 \advance\XePersian@yModHundred by -\XePersian@temp\relax
4792 \ifodd\XePersian@yModHundred
4793 \XePersian@leapfalse
4794 \else
4795 \XePersian@temp=\XePersian@yModHundred
4796 \divide\XePersian@temp by 2\relax
4797 \ifodd\XePersian@temp\XePersian@leapfalse
4798 \else
4799 \ifnum\XePersian@yModHundred=0%
4800 \XePersian@temp=\XePersian@y
4801 \divide\XePersian@temp by 400\relax
4802 \multiply\XePersian@temp by 400\relax
4803 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
4804 \else\XePersian@leaptrue

```



```

4805      \fi
4806      \fi
4807 \fi
4808 \XePersian@latini=31\relax
4809 \ifXePersian@leap
4810   \XePersian@latinii = 29\relax
4811 \else
4812   \XePersian@latinii = 28\relax
4813 \fi
4814 \XePersian@latiniii = 31\relax
4815 \XePersian@latiniv = 30\relax
4816 \XePersian@latinv = 31\relax
4817 \XePersian@latinvi = 30\relax
4818 \XePersian@latinvii = 31\relax
4819 \XePersian@latinviii = 31\relax
4820 \XePersian@latinix = 30\relax
4821 \XePersian@latinx = 31\relax
4822 \XePersian@latinxi = 30\relax
4823 \XePersian@latinxii = 31\relax
4824 \XePersian@thirtytwo=32\relax
4825 \XePersian@temp=\XePersian@y
4826 \advance\XePersian@temp by -17\relax
4827 \XePersian@temptwo=\XePersian@temp
4828 \divide\XePersian@temptwo by 33\relax
4829 \multiply\XePersian@temptwo by 33\relax
4830 \advance\XePersian@temp by -\XePersian@temptwo
4831 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
4832 \else
4833   \XePersian@temptwo=\XePersian@temp
4834   \divide\XePersian@temptwo by 4\relax
4835   \multiply\XePersian@temptwo by 4\relax
4836   \advance\XePersian@temp by -\XePersian@temptwo
4837   \ifnum\XePersian@temp=z0\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
4838 \fi
4839 \XePersian@tempthree=\XePersian@y % Number of Leap years
4840 \advance\XePersian@tempthree by -1
4841 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
4842 \divide\XePersian@temp by 4\relax
4843 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
4844 \divide\XePersian@temptwo by 100\relax
4845 \advance\XePersian@temp by -\XePersian@temptwo
4846 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
4847 \divide\XePersian@temptwo by 400\relax
4848 \advance\XePersian@temp by \XePersian@temptwo
4849 \advance\XePersian@tempthree by -611 % Number of Kabise years
4850 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
4851 \divide\XePersian@temptwo by 33\relax
4852 \multiply\XePersian@temptwo by 8\relax
4853 \advance\XePersian@temp by -\XePersian@temptwo
4854 \XePersian@temptwo=\XePersian@tempthree %

```



```

4855 \divide\XePersian@temptwo by 33\relax
4856 \multiply\XePersian@temptwo by 33\relax
4857 \advance\XePersian@tempthree by -\XePersian@temptwo
4858 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc(T
4859 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
4860 \advance\XePersian@temp by -\XePersian@tempthree
4861 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
4862 \XePersian@persiani=31
4863 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
4864 \XePersian@persianii = 30\relax
4865 \ifXePersian@kabiseh
4866 \XePersian@persianiii = 30\relax
4867 \else
4868 \XePersian@persianiii = 29\relax
4869 \fi
4870 \XePersian@persianiv = 31\relax
4871 \XePersian@persianv = 31\relax
4872 \XePersian@persianvi = 31\relax
4873 \XePersian@persianvii = 31\relax
4874 \XePersian@persianviii= 31\relax
4875 \XePersian@persianix = 31\relax
4876 \XePersian@persianx = 30\relax
4877 \XePersian@persianxi = 30\relax
4878 \XePersian@persianxii = 30\relax
4879 \XePersian@persianxiii= 30\relax
4880 \XePersian@dn= 0\relax
4881 \XePersian@sn= 0\relax
4882 \XePersian@mminusone=\XePersian@m
4883 \advance\XePersian@mminusone by -1\relax
4884 \XePersian@i=0\relax
4885 \ifnum\XePersian@i < \XePersian@mminusone
4886 \loop
4887 \advance \XePersian@i by 1\relax
4888 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
4889 \ifnum\XePersian@i<\XePersian@mminusone \repeat
4890 \fi
4891 \advance \XePersian@dn by \XePersian@d
4892 \XePersian@i=1\relax
4893 \XePersian@sn = \XePersian@persiani
4894 \ifnum \XePersian@sn<\XePersian@dn
4895 \loop
4896 \advance \XePersian@i by 1\relax
4897 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
4898 \ifnum \XePersian@sn<\XePersian@dn \repeat
4899 \fi
4900 \ifnum \XePersian@i < 4
4901 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
4902 \advance \XePersian@y by -622\relax
4903 \else
4904 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax

```



```

4905 \advance \XePersian@y by -621\relax
4906 \fi
4907 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
4908 \endcsname
4909 \ifnum\XePersian@i = 1
4910 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
4911 \else
4912 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
4913 \fi
4914 \newcommand*{\persiantoday}{\%
4915 \number\XePersian@d\space%
4916 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
4917 }
4918 \let\persianyear\XePersian@y
4919 \let\persianmonth\XePersian@m
4920 \let\persianday\XePersian@d
4921 \def\XePersian@persian@month#1{\ifcase#1\or or\
4922 or\
4923 or\ or\
4924 or\
4925 or\ or\
4926 or\ or\
4927 or\ or\
4928 \fi\

```



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8 Change History

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|-------|--|-----|
| v13.1 | General: Added implementation of the package. | 0 |
| v13.2 | General: Replaced <code>\reflect</code> with <code>\bidi@reflect@box</code> | 117 |
| v13.5 | General: Fixed the extra space after Persian decimal separator. . . . | 149 |
| v13.6 | General: Used <code>\XeTeXglyphbounds</code> to find the true height and depth of the Kashida character. | 85 |

