



The XePersian *Package*

Source documentation for [version 25.9](#)

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 use the issue tracker:

<https://github.com/xepersian/xepersian/issues>

In doing so, please always explain your issue well enough, and always include a minimal working example showing the issue.

You may also have conversations, ask questions and post answers without opening issues using the Discussions space:

<https://github.com/xepersian/xepersian/discussions>

The announcements for the new releases of the package will also appear in the Discussions space under the Announcements category.

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The XePersian *Package*

Persian for L^AT_EX 2_ε, using XeT_EX engine

Source documentation for [version 25.9](#)

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January 3, 2025

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*Thanks to the bidi-tex GitHub organization consisted of David Carlisle and other members of the L^AT_EX team for maintaining the package in the period 2018–2020.

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1 File algorithmic-xetex-xepersian.def

```

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

```

2 File algorithm-xetex-xepersian.def

```

4 \ProvidesFile{algorithm-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for algo
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}

```

3 File amsart-xetex-xepersian.def

```

8 \ProvidesFile{amsart-xetex-xepersian.def}[2017/02/04 v0.4 xepersian adaptations for amsart c
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

```

4 File amsbook-xetex-xepersian.def

```

14 \ProvidesFile{amsbook-xetex-xepersian.def}[2017/02/04 v0.5 xepersian adaptations for amsbook
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

```

5 File appendix-xetex-xepersian.def

```

23 \ProvidesFile{appendix-xetex-xepersian.def}[2015/02/01 v0.1 xepersian adaptations for appendix]
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 }

```

6 File article-xetex-xepersian.def

```

38 \ProvidesFile{article-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for standard]
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 File artikel1-xetex-xepersian.def

```

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

```

8 File artikel2-xetex-xepersian.def

```

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

```

9 File artikel3-xetex-xepersian.def

```

56 \ProvidesFile{artikel3-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for artikel]

```



```

57 \renewcommand*\thepart{\@tartibi\c@part}
58 \renewcommand*\appendix{\par
59   \setcounter{section}{0}%
60   \setcounter{subsection}{0}%
61   \gdef\thesection{\@harfi\c@section}}

```

10 File backref-xetex-xepersian.def

```

62 \ProvidesFile{backref-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for backref
63 \def\backrefpagesname{\ifRTL 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 }%

```

11 File beamer-xetex-xepersian.def

```

82 \ProvidesFile{beamer-xetex-xepersian.def}[2022/06/27 v0.2 xepersian adaptations for beamer C
83 \usefonttheme[stillsansserifmath]{serif}
84
85 \renewcommand*\{bidi@beamer@today}{%
86 \the\persianyear-\ifnum\persianmonth<10\relax0\fi\the\persianmonth-\ifnum\persianday<10\relax
87
88

```

12 File beamerbasetranslator-xetex-xepersian.def

```

89 \ProvidesFile{beamerbasetranslator-xetex-xepersian.def}[2022/06/27 v0.3 xepersian adaptations
90 \newcommand*\{ProvidePersianTranslation}[2]{%
91   \providetranslation{#1}{\ifRtoL{#2}{#1}}%
92 }
93
94 \ProvidePersianTranslation{Corollary}{  }
95 \ProvidePersianTranslation{Definition}{  }
96 \ProvidePersianTranslation{Definitions}{  }
97 \ProvidePersianTranslation{Example}{  }
98 \ProvidePersianTranslation{Examples}{  }
99 \ProvidePersianTranslation{Fact}{  }
100 \ProvidePersianTranslation{From?}{  }
101 \ProvidePersianTranslation{Lemma}{  }

```



```

102 \ProvidePersianTranslation{Problem}{ }
103 \ProvidePersianTranslation{Section}{ }
104 \ProvidePersianTranslation{Solution}{ }
105 \ProvidePersianTranslation{Subsection}{ }
106 \ProvidePersianTranslation{Theorem}{ }
107 \ProvidePersianTranslation{When?}{ }
108 \ProvidePersianTranslation{Who?}{ }
109
110

```

13 File `bidituftesidenote-xetex-xepersian.def`

```

111 \ProvidesFile{bidituftesidenote-xetex-xepersian.def}[2017/02/04 v0.3 xepersian adaptations for bidituftesidenote]
112
113 \setLTRcitationfont{\resetlatinfont\footnotesize}
114
115 \renewcommand*{\@bidituftesidenote@LTRmarginfont}{\resetlatinfont\footnotesize}
116
117 \renewcommand*{\@bidituftesidenote@RTLmarginfont}{\setpersianfont\footnotesize}
118
119

```

14 File `bidimoderncv-xetex-xepersian.def`

```

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

```

15 File `boek3-xetex-xepersian.def`

```

122 \ProvidesFile{boek3-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for boek3 class]
123 \renewcommand*\thepart{\@tartibi\c@part}
124 \renewcommand*\frontmatter{%
125   \cleardoublepage
126   \@mainmatterfalse
127   \pagenumbering{harfi}}
128 \renewcommand*\appendix{\par
129   \setcounter{chapter}{0}%
130   \setcounter{section}{0}%
131   \gdef\@chapapp{\appendixname}%
132   \gdef\thechapter{\@harfi\c@chapter}}

```

16 File `boek-xetex-xepersian.def`

```

133 \ProvidesFile{boek-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for boek class]
134 \renewcommand*\thepart{\@tartibi\c@part}
135 \renewcommand*\frontmatter{%
136   \cleardoublepage
137   \@mainmatterfalse
138   \pagenumbering{harfi}}
139 \renewcommand*\appendix{\par
140   \setcounter{chapter}{0}%
141   \setcounter{section}{0}%
142   \gdef\@chapapp{\appendixname}%
143   \gdef\thechapter{\@harfi\c@chapter}}

```



17 File bookest-xetex-xepersian.def

```
144 \ProvidesFile{bookest-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for bookest
145 \renewcommand \thepart {\@tartibi\c@part}
146 \renewcommand\appendix{\par
147 \setcounter{chapter}{0}%
148 \setcounter{section}{0}%
149 \gdef\@chapapp{\appendixname}%
150 \gdef\thechapter{\@harfi\c@chapter}
151 }%end appendix
```

18 File book-xetex-xepersian.def

```
152 \ProvidesFile{book-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for book class
153 \renewcommand\frontmatter{%
154 \clearoublepage
155 \@mainmatterfalse
156 \pagenumbering{harfi}}
157 \renewcommand \thepart {\@tartibi\c@part}
158 \renewcommand\appendix{\par
159 \setcounter{chapter}{0}%
160 \setcounter{section}{0}%
161 \gdef\@chapapp{\appendixname}%
162 \gdef\thechapter{\@harfi\c@chapter}
163 }%end appendix
```

19 File breqn-xetex-xepersian.def

```
164 \ProvidesFile{breqn-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for breqn pack
165 \def\@dmath[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
166 \everydisplay\expandafter{\the\everydisplay \display@setup}%
167 \if@noskipsec \leavevmode \fi
168 \if@inlabel \leavevmode \global\@inlabelfalse \fi
169 \if\eq@group\else\eq@prelim\fi
170 \setkeys{breqn}{#1}%
171 \the\eqstyle
172 \eq@setnumber
173 \begingroup
174 \eq@setup@a
175 \eq@startup
176 }
177 \def\@dgroup[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
178 \let\eq@group\@True \global\let\eq@GRP@first@dmath\@True
179 \global\GRP@queue\@emptytoks \global\setbox\GRP@box\box\voidb@x
180 \global\let\GRP@label\@empty
181 \global\grp@wdL\z@\global\grp@wdR\z@\global\grp@wdT\z@
182 \global\grp@linewidth\z@\global\grp@wdNum\z@
183 \global\let\grp@eqs@numbered\@False
184 \global\let\grp@aligned\@True
185 \global\let\grp@shiftnumber\@False
186 \eq@prelim
187 \setkeys{breqn}{#1}%
188 \if\grp@hasNumber \grp@setnumber \fi
189 }
```



```

190 \def@dseries[#1]{\if@RTL\@RTLfalse\addfontfeatures{Mapping=farsidigits}\fi%
191 \let\display@setup\dseries@display@setup
192 % Question: should this be the default for dseries???
193 \global\eq@wdCond\z@
194 \@dmath[layout={M},#1]%
195 \mathsurround\z@\@math \penalty\@Mi
196 \let\endmath\ends@math
197 \def\premath{%
198   \ifdim\lastskip<.3em \unskip
199   \else\ifnum\lastpenalty<\@M \dquad\fi\fi
200 }%
201 \def\postmath{\unpenalty\eq@addpunct \penalty\intermath@penalty \dquad \@ignoretrue}%
202 \ignorespaces
203 }

```

20 File latex-localize-commands-xetex-xepersian.def

```

204 \ProvidesFile{latex-localize-commands-xetex-xepersian.def}[2014/02/05 v0.3 Persian localizat
205 \eqcommand{ }{@arstrut}
206 \eqcommand{ }{above}
207 \eqcommand{ }{abovedisplayshortskip}
208 \eqcommand{ }{abovedisplayskip}
209 \eqcommand{ }{abstractname}
210 \eqcommand{ }{accent}
211 \eqcommand{ }{active}
212 \eqcommand{ }{addcontentsline}
213 \eqcommand{ }{addpenalty}
214 \eqcommand{ }{address}
215 \eqcommand{ }{addtocontents}
216 \eqcommand{ }{addtocounter}
217 \eqcommand{ }{addtolength}
218 \eqcommand{ }{addvspace}
219 \eqcommand{ }{adjdemerits}
220 \eqcommand{ }{advance}
221 \eqcommand{ }{afterassignment}
222 \eqcommand{ }{aftergroup}
223 \eqcommand{ }{aleph}
224 \eqcommand{ }{aliasfontfeature}
225 \eqcommand{ }{aliasfontfeatureoption}
226 \eqcommand{ }{allowbreak}
227 \eqcommand{ @}{alloc@}
228 \eqcommand{ }{allocationnumber}
229 \eqcommand{ }{allowdisplaybreaks}
230 \eqcommand{ }{Alph}
231 \eqcommand{ }{alph}
232 \eqcommand{ }{alsoname}
233 \eqcommand{ }{and}
234 \eqcommand{ }{angle}
235 \eqcommand{ }{appendixname}
236 \eqcommand{ }{approx}
237 \eqcommand{ }{arabic}
238 \eqcommand{ }{arg}
239 \eqcommand{ }{arrayrulecolor}
240 \eqcommand{ }{arraycolsep}

```




```

241 \eqcommand{      }{arrayrulewidth}
242 \eqcommand{      }{arraystretch}
243 \eqcommand{      }{AtBeginDocument}
244 \eqcommand{      }{AtEndDocument}
245 \eqcommand{      }{AtEndOfClass}
246 \eqcommand{      }{AtEndOfPackage}
247 \eqcommand{      }{author}
248 \eqcommand{      }{backmatter}
249 \eqcommand{      }{backslash}
250 \eqcommand{      }{badness}
251 \eqcommand{ }{bar}
252 \eqcommand{      }{baselineskip}
253 \eqcommand{      }{baselinestretch}
254 \eqcommand{      }{batchmode}
255 \eqcommand{ }{begin}
256 \eqcommand{      }{beginL}
257 \eqcommand{      }{beginR}
258 \eqcommand{      }{begingroup}
259 \eqcommand{      }{belowdisplayshortskip}
260 \eqcommand{      }{belowdisplayskip}
261 \eqcommand{ }{bf}
262 \eqcommand{      }{bfdefault}
263 \eqcommand{      }{bfseries}
264 \eqcommand{      }{bgroup}
265 \eqcommand{      }{bibitem}
266 \eqcommand{      }{bibliography}
267 \eqcommand{      }{bibliographystyle}
268 \eqcommand{      }{bibname}
269 \eqcommand{      }{bigskip}
270 \eqcommand{      }{bigskipamount}
271 \eqcommand{      }{botfigrule}
272 \eqcommand{      }{botmark}
273 \eqcommand{      }{bottompageskip}
274 \eqcommand{      }{bottomfraction}
275 \eqcommand{ }{box}
276 \eqcommand{      }{boxmaxdepth}
277 \eqcommand{ }{break}
278 \eqcommand{      }{bullet}
279 \eqcommand{ @ }{@cclv}
280 \eqcommand{ @ }{@cclvi}
281 \eqcommand{      }{caption}
282 \eqcommand{      }{catcode}
283 \eqcommand{      }{cc}
284 \eqcommand{      }{ccname}
285 \eqcommand{      }{cdot}
286 \eqcommand{      }{cdots}
287 \eqcommand{      }{centering}
288 \eqcommand{      }{centerline}
289 \eqcommand{ @ }{@ch@ck}
290 \eqcommand{ }{chapter}
291 \eqcommand{      }{chaptername}
292 \eqcommand{      }{char}
293 \eqcommand{      }{chardef}
294 \eqcommand{      }{CheckCommand}

```



```

295 \eqcommand{ }{cite}
296 \eqcommand{ }{ClassError}
297 \eqcommand{ }{ClassInfo}
298 \eqcommand{ }{ClassWarning}
299 \eqcommand{ }{ClassWarningNoLine}
300 \eqcommand{ }{cleaders}
301 \eqcommand{ }{cleardoublepage}
302 \eqcommand{ }{clearpage}
303 \eqcommand{ }{cline}
304 \eqcommand{ }{closein}
305 \eqcommand{ }{closeout}
306 \eqcommand{ }{closing}
307 \eqcommand{ }{clubpenalty}
308 \eqcommand{ }{clubsuit}
309 \eqcommand{ }{colbotmark}
310 \eqcommand{ }{colfirstmark}
311 \eqcommand{ }{color}
312 \eqcommand{ }{colorbox}
313 \eqcommand{ }{coltopmark}
314 \eqcommand{ }{columncolor}
315 \eqcommand{ }{columnsep}
316 \eqcommand{ }{columnwidth}
317 \eqcommand{ }{columnseprule}
318 \eqcommand{ }{contentsline}
319 \eqcommand{ }{contentsname}
320 \eqcommand{ }{copy}
321 \eqcommand{ }{copyright}
322 \eqcommand{ }{count}
323 \eqcommand{ @}{count@}
324 \eqcommand{ }{countdef}
325 \eqcommand{ }{cr}
326 \eqcommand{ }{crrr}
327 \eqcommand{ }{csname}
328 \eqcommand{ }{CurrentOption}
329 \eqcommand{ }{dashbox}
330 \eqcommand{ }{dashv}
331 \eqcommand{@ }{@date}
332 \eqcommand{ }{date}
333 \eqcommand{ }{day}
334 \eqcommand{ }{dblbotfigrule}
335 \eqcommand{ }{dblbottomfraction}
336 \eqcommand{ }{dblfigrule}
337 \eqcommand{ }{dblfloatpagefraction}
338 \eqcommand{ }{dblfloatsep}
339 \eqcommand{ }{dblfntlocatecode}
340 \eqcommand{ }{dbltextfloatsep}
341 \eqcommand{ }{dbltopfraction}
342 \eqcommand{ }{DeclareFixedFont}
343 \eqcommand{ }{DeclareGraphicsExtensions}
344 \eqcommand{ }{DeclareGraphicsRule}
345 \eqcommand{ }{DeclareOldFontCommand}
346 \eqcommand{ }{DeclareOption}
347 \eqcommand{ }{DeclareRobustCommand}
348 \eqcommand{ }{DeclareSymbolFont}

```



```

349 \eqcommand{   }{deadcycles}
350 \eqcommand{ }{def}
351 \eqcommand{ @ }{define@key}
352 \eqcommand{   }{definecolor}
353 \eqcommand{   }{deg}
354 \eqcommand{   }{delcode}
355 \eqcommand{   }{delimiter}
356 \eqcommand{   }{delimiterfactor}
357 \eqcommand{   }{depth}
358 \eqcommand{   }{diamondsuit}
359 \eqcommand{   }{dim}
360 \eqcommand{   }{dimen}
361 \eqcommand{ @ }{dimen@}
362 \eqcommand{ @ }{dimen@i}
363 \eqcommand{ @ }{dimen@ii}
364 \eqcommand{   }{dimendef}
365 \eqcommand{   }{discretionary}
366 \eqcommand{   }{displaybreak}
367 \eqcommand{   }{displayindent}
368 \eqcommand{   }{displaystyle}
369 \eqcommand{   }{displaywidth}
370 \eqcommand{   }{divide}
371 \eqcommand{   }{documentclass}
372 \eqcommand{ }{do}
373 \eqcommand{   }{dospecials}
374 \eqcommand{   }{dot}
375 \eqcommand{   }{doteq}
376 \eqcommand{   }{dotfill}
377 \eqcommand{   }{dots}
378 \eqcommand{   }{doublebox}
379 \eqcommand{   }{doublerulesepcolor}
380 \eqcommand{   }{doublerulesep}
381 \eqcommand{   }{downarrow}
382 \eqcommand{ }{dp}
383 \eqcommand{   }{dump}
384 \eqcommand{ }{edef}
385 \eqcommand{   }{egroup}
386 \eqcommand{   }{eject}
387 \eqcommand{ }{else}
388 \eqcommand{   }{em}
389 \eqcommand{   }{emergencystretch}
390 \eqcommand{   }{emph}
391 \eqcommand{@ }{@empty}
392 \eqcommand{ }{empty}
393 \eqcommand{   }{emptyset}
394 \eqcommand{   }{end}
395 \eqcommand{   }{endL}
396 \eqcommand{   }{endR}
397 \eqcommand{   }{endcsname}
398 \eqcommand{   }{endfirsthead}
399 \eqcommand{   }{endfoot}
400 \eqcommand{   }{endgraf}
401 \eqcommand{   }{endgroup}
402 \eqcommand{   }{endhead}

```



```

403 \eqcommand{      }\{endinput\}
404 \eqcommand{      }\{endlastfoot\}
405 \eqcommand{      }\{enlargethispage\}
406 \eqcommand{      }\{endlineline\}
407 \eqcommand{      }\{endlinelinechar\}
408 \eqcommand{      }\{enspace\}
409 \eqcommand{      }\{enskip\}
410 \eqcommand{      }\{eqcommand\}
411 \eqcommand{      }\{eqenvironment\}
412 \eqcommand{      }\{eqref\}
413 \eqcommand{      }\{errhelp\}
414 \eqcommand{      }\{errmessage\}
415 \eqcommand{      }\{errorcontextlines\}
416 \eqcommand{      }\{errorstopmode\}
417 \eqcommand{      }\{escapechar\}
418 \eqcommand{      }\{euro\}
419 \eqcommand{      }\{evensidemargin\}
420 \eqcommand{      }\{everycr\}
421 \eqcommand{      }\{everydisplay\}
422 \eqcommand{      }\{everyhbox\}
423 \eqcommand{      }\{everyjob\}
424 \eqcommand{      }\{everymath\}
425 \eqcommand{      }\{everypar\}
426 \eqcommand{      }\{everyvbox\}
427 \eqcommand{      }\{ExecuteOptions\}
428 \eqcommand{      }\{exhyphenpenalty\}
429 \eqcommand{      }\{expandafter\}
430 \eqcommand{      }\{extracolsep\}
431 \eqcommand{@      }\{@firstofone\}
432 \eqcommand{@      }\{@firstoftwo\}
433 \eqcommand{ @ }{\f@ur}
434 \eqcommand{      }\{fam\}
435 \eqcommand{      }\{fancy page\}
436 \eqcommand{      }\{fbox\}
437 \eqcommand{      }\{fboxrule\}
438 \eqcommand{      }\{fboxsep\}
439 \eqcommand{      }\{fcolorbox\}
440 \eqcommand{      }\{fi\}
441 \eqcommand{      }\{figurename\}
442 \eqcommand{      }\{filbreak\}
443 \eqcommand{      }\{fill\}
444 \eqcommand{      }\{firstmark\}
445 \eqcommand{      }\{flat\}
446 \eqcommand{      }\{floatpagefraction\}
447 \eqcommand{      }\{floatingpenalty\}
448 \eqcommand{      }\{floatsep\}
449 \eqcommand{      }\{flushbottom\}
450 \eqcommand{      }\{fmtname\}
451 \eqcommand{      }\{fmtversion\}
452 \eqcommand{      }\{fnsymbol\}
453 \eqcommand{      }\{font\}
454 \eqcommand{      }\{fontdimen\}
455 \eqcommand{      }\{fontencoding\}
456 \eqcommand{      }\{fontfamily\}

```



```

457 \eqcommand{ }{fontname}
458 \eqcommand{ }{fontseries}
459 \eqcommand{ }{fontshape}
460 \eqcommand{ }{fontsize}
461 \eqcommand{ }{footheight}
462 \eqcommand{ }{footins}
463 \eqcommand{ }{footnote}
464 \eqcommand{ }{footnotemark}
465 \eqcommand{ }{footnoterule}
466 \eqcommand{ }{footnotesep}
467 \eqcommand{ }{footnotesize}
468 \eqcommand{ }{footnotetext}
469 \eqcommand{ }{footskip}
470 \eqcommand{ }{frame}
471 \eqcommand{ }{framebox}
472 \eqcommand{ }{frenchspacing}
473 \eqcommand{ }{frontmatter}
474 \eqcommand{ }{futurelet}
475 \eqcommand{@ }{@gobble}
476 \eqcommand{@ }{@gobbletwo}
477 \eqcommand{@ }{@gobblefour}
478 \eqcommand{@ }{@gtempa}
479 \eqcommand{@ }{@gtempb}
480 \eqcommand{ }{gdef}
481 \eqcommand{ }{GenericInfo}
482 \eqcommand{ }{GenericWarning}
483 \eqcommand{ }{GenericError}
484 \eqcommand{ }{global}
485 \eqcommand{ }{globaldefs}
486 \eqcommand{ }{glossary}
487 \eqcommand{ }{glossaryentry}
488 \eqcommand{ }{goodbreak}
489 \eqcommand{ }{graphpaper}
490 \eqcommand{ }{guillemotleft}
491 \eqcommand{ }{guillemotright}
492 \eqcommand{ }{guilsinglleft}
493 \eqcommand{ }{guilsinglright}
494 \eqcommand{ }{halign}
495 \eqcommand{ }{hang}
496 \eqcommand{ }{hangafter}
497 \eqcommand{ }{hangindent}
498 \eqcommand{ }{hbadness}
499 \eqcommand{ }{hbox}
500 \eqcommand{ }{headheight}
501 \eqcommand{ }{headsep}
502 \eqcommand{ }{headtoname}
503 \eqcommand{ }{heartsuit}
504 \eqcommand{ }{height}
505 \eqcommand{ }{hfil}
506 \eqcommand{ }{hfill}
507 \eqcommand{ }{hfilneg}
508 \eqcommand{ }{hfuzz}
509 \eqcommand{ }{hideskip}
510 \eqcommand{ }{hidewidth}

```



```

511 \bidi@csletcs{ }{hline}% this is an exception
512 \eqcommand{ }{hoffset}
513 \eqcommand{ }{holdinginserts}
514 \eqcommand{ }{hrboxsep}
515 \eqcommand{ }{hrule}
516 \eqcommand{ }{hrulefill}
517 \eqcommand{ }{hsize}
518 \eqcommand{ }{hskip}
519 \eqcommand{ }{hspace}
520 \eqcommand{ }{hss}
521 \eqcommand{ }{ht}
522 \eqcommand{ }{huge}
523 \eqcommand{ }{Huge}
524 \eqcommand{ }{hyperlink}
525 \eqcommand{ }{hypersetup}
526 \eqcommand{ }{hypertarget}
527 \eqcommand{ }{hyphenation}
528 \eqcommand{ }{hyphenchar}
529 \eqcommand{ }{hyphenpenalty}
530 \eqcommand{@ }{@ifclassloaded}
531 \eqcommand{@ }{@ifdefinable}
532 \eqcommand{@ }{@ifnextchar}
533 \eqcommand{@ }{@ifpackageloaded}
534 \eqcommand{@ }{@ifstar}
535 \eqcommand{@ }{@ifundefined}
536 \eqcommand{ }{if}
537 \eqcommand{ @ }{if@tempwa}
538 \eqcommand{ }{ifcase}
539 \eqcommand{ }{ifcat}
540 \eqcommand{ }{ifdefined}
541 \eqcommand{ }{ifdim}
542 \eqcommand{ }{ifeof}
543 \eqcommand{ }{iff}
544 \eqcommand{ }{iffalse}
545 \eqcommand{ }{IfFileExists}
546 \eqcommand{ }{ifhbox}
547 \eqcommand{ }{ifhmode}
548 \eqcommand{ }{ifinner}
549 \eqcommand{ }{ifmmode}
550 \eqcommand{ }{ifnum}
551 \eqcommand{ }{ifodd}
552 \eqcommand{ }{ifthenelse}
553 \eqcommand{ }{iftrue}
554 \eqcommand{ }{ifvbox}
555 \eqcommand{ }{ifvmode}
556 \eqcommand{ }{ifvoid}
557 \eqcommand{ }{ifx}
558 \eqcommand{ }{ignorespaces}
559 \eqcommand{ }{immediate}
560 \eqcommand{ }{include}
561 \eqcommand{ }{includegraphics}
562 \eqcommand{ }{includeonly}
563 \eqcommand{ }{indent}
564 \eqcommand{ }{index}

```



```

565 \eqcommand{ }{indexentry}
566 \eqcommand{ }{indexname}
567 \eqcommand{ }{indexspace}
568 \eqcommand{ }{input}
569 \eqcommand{ }{InputIfFileExists}
570 \eqcommand{ }{inputlineno}
571 \eqcommand{ }{insert}
572 \eqcommand{ }{insertpenalties}
573 \eqcommand{ }{interfootnotelinepenalty}
574 \eqcommand{ }{interdisplaylinepenalty}
575 \eqcommand{ }{interlinepenalty}
576 \eqcommand{ }{intertext}
577 \eqcommand{ }{intertextsep}
578 \eqcommand{ }{invisible}
579 \eqcommand{ }{itdefault}
580 \eqcommand{ }{itshape}
581 \eqcommand{ }{item}
582 \eqcommand{ }{itemindent}
583 \eqcommand{ }{itemsep}
584 \eqcommand{ }{iterate}
585 \eqcommand{ }{itshape}
586 \eqcommand{ }{jobname}
587 \eqcommand{ }{jot}
588 \eqcommand{ }{kern}
589 \eqcommand{ }{kill}
590 \eqcommand{ }{label}
591 \eqcommand{ }{labelenumi}
592 \eqcommand{ }{labelenumii}
593 \eqcommand{ }{labelenumiii}
594 \eqcommand{ }{labelenumiv}
595 \eqcommand{ }{labelitemi}
596 \eqcommand{ }{labelitemii}
597 \eqcommand{ }{labelitemiii}
598 \eqcommand{ }{labelitemiv}
599 \eqcommand{ }{labelsep}
600 \eqcommand{ }{labelwidth}
601 \eqcommand{ }{language}
602 \eqcommand{ }{large}
603 \eqcommand{ }{Large}
604 \eqcommand{ }{LARGE}
605 \eqcommand{ }{lastbox}
606 \eqcommand{ }{lastkern}
607 \eqcommand{ }{lastpenalty}
608 \eqcommand{ }{lastskip}
609 \eqcommand{ }{LaTeX}
610 \eqcommand{ }{LaTeXe}
611 \eqcommand{ }{lccode}
612 \eqcommand{ }{ldots}
613 \eqcommand{ }{leaders}
614 \eqcommand{ }{leavevmode}
615 \eqcommand{ }{left}
616 \eqcommand{ }{leftmargin}
617 \eqcommand{ }{leftmargini}
618 \eqcommand{ }{leftmarginii}

```



```

619 \eqcommand{    }{\leftmarginiii}
620 \eqcommand{    }{\leftmarginiv}
621 \eqcommand{    }{\leftmarginv}
622 \eqcommand{    }{\leftmarginvi}
623 \eqcommand{    }{\leftmark}
624 \eqcommand{    }{\leftpageskip}
625 \eqcommand{    }{\leftskip}
626 \eqcommand{    }{\let}
627 \eqcommand{ }{\line}
628 \eqcommand{    }{\linebreak}
629 \eqcommand{    }{\linepenalty}
630 \eqcommand{    }{\lineskip}
631 \eqcommand{    }{\lineskiplimit}
632 \eqcommand{    }{\linespread}
633 \eqcommand{    }{\linethickness}
634 \eqcommand{    }{\linewidth}
635 \eqcommand{    }{\listfigurename}
636 \eqcommand{    }{\listfiles}
637 \eqcommand{    }{\listoffigures}
638 \eqcommand{    }{\listoftables}
639 \eqcommand{    }{\listparindent}
640 \eqcommand{    }{\listtablename}
641 \eqcommand{    }{\LoadClass}
642 \eqcommand{    }{\LoadClassWithOptions}
643 \eqcommand{    }{\location}
644 \eqcommand{    }{\long}
645 \eqcommand{    }{\looseness}
646 \eqcommand{    }{\lower}
647 \eqcommand{@ }{\@makeother}
648 \eqcommand{@ }{\@m}
649 \eqcommand{ @ }{\@M}
650 \eqcommand{ @ }{\@Mi}
651 \eqcommand{ @ }{\@Mii}
652 \eqcommand{ @ }{\@Miii}
653 \eqcommand{ @ }{\@Miv}
654 \eqcommand{ @ }{\@MMM}
655 \eqcommand{ @ }{\m@ne}
656 \eqcommand{    }{\mag}
657 \eqcommand{ }{\magstep}
658 \eqcommand{    }{\magstephalf}
659 \eqcommand{    }{\mainmatter}
660 \eqcommand{    }{\makeatletter}
661 \eqcommand{    }{\makeatother}
662 \eqcommand{    }{\makebox}
663 \eqcommand{    }{\makeglossary}
664 \eqcommand{    }{\makeindex}
665 \eqcommand{    }{\makelabel}
666 \eqcommand{    }{\makelabels}
667 \eqcommand{    }{\MakeLowercase}
668 \eqcommand{    }{\maketitle}
669 \eqcommand{    }{\MakeUppercase}
670 \eqcommand{    }{\marginpar}
671 \eqcommand{    }{\marginparpush}
672 \eqcommand{    }{\marginparsep}

```




```

673 \eqcommand{ }{\marginparwidth}
674 \eqcommand{ }{\mark}
675 \eqcommand{ }{\markboth}
676 \eqcommand{ }{\markright}
677 \eqcommand{ }{\mathaccent}
678 \eqcommand{ }{\mathchar}
679 \eqcommand{ }{\mathchardef}
680 \eqcommand{ }{\mathcode}
681 \eqcommand{ }{\mathrm}
682 \eqcommand{ }{\maxdeadcycles}
683 \eqcommand{ }{\maxdepth}
684 \eqcommand{ }{\maxdimen}
685 \eqcommand{ }{\mbox}
686 \eqcommand{ }{\mdseries}
687 \eqcommand{ }{\meaning}
688 \eqcommand{ }{\mediumseries}
689 \eqcommand{ }{\medmuskip}
690 \eqcommand{ }{\medskip}
691 \eqcommand{ }{\medskipamount}
692 \eqcommand{ }{\medspace}
693 \eqcommand{ }{\message}
694 \eqcommand{ }{\MessageBreak}
695 \eqcommand{ }{\minrowclearance}
696 \eqcommand{ }{\mkern}
697 \eqcommand{ }{\month}
698 \eqcommand{ }{\moveleft}
699 \eqcommand{ }{\moveright}
700 \eqcommand{ }{\mskip}
701 \eqcommand{ @ }{\m@th}
702 \eqcommand{ }{\multicolumn}
703 \eqcommand{ }{\multiply}
704 \eqcommand{ }{\multispan}
705 \eqcommand{ }{\muskip}
706 \eqcommand{ }{\muskipdef}
707 \eqcommand{@ }{\@namedef}
708 \eqcommand{@ }{\@nameuse}
709 \eqcommand{ @ }{\@ne}
710 \eqcommand{ }{\name}
711 \eqcommand{ }{\natural}
712 \eqcommand{ }{\nearrow}
713 \eqcommand{ }{\nearrower}
714 \eqcommand{ }{\NeedsTeXFormat}
715 \eqcommand{ }{\neg}
716 \eqcommand{ }{\negmedspace}
717 \eqcommand{ }{\negthickspace}
718 \eqcommand{ }{\negthinspace}
719 \eqcommand{ }{\newboolean}
720 \eqcommand{ }{\newbox}
721 \eqcommand{ }{\newcommand}
722 \eqcommand{ }{\newcount}
723 \eqcommand{ }{\newcounter}
724 \eqcommand{ }{\newdimen}
725 \eqcommand{ }{\newenvironment}
726 \eqcommand{ }{\newfam}

```



```

727 \eqcommand{ }{newfont}
728 \eqcommand{ }{newhelp}
729 \eqcommand{ }{newinsert}
730 \eqcommand{ }{newlabel}
731 \eqcommand{ }{newlength}
732 \eqcommand{ }{newline}
733 \eqcommand{ }{newlinechar}
734 \eqcommand{ }{newmuskip}
735 \eqcommand{ }{newpage}
736 \eqcommand{ }{newread}
737 \eqcommand{ }{newsavebox}
738 \eqcommand{ }{newskip}
739 \eqcommand{ }{newtheorem}
740 \eqcommand{ }{newtoks}
741 \eqcommand{ }{newwrite}
742 \eqcommand{ }{noalign}
743 \eqcommand{ }{nobreak}
744 \eqcommand{ }{nobreakspace}
745 \eqcommand{ }{nocite}
746 \eqcommand{ }{noexpand}
747 \eqcommand{ }{nofiles}
748 \eqcommand{ }{noindent}
749 \eqcommand{ }{nointerlineskip}
750 \eqcommand{ }{nolimits}
751 \eqcommand{ }{nolinebreak}
752 \eqcommand{ }{nonstopmode}
753 \eqcommand{ }{nonfrenchspacing}
754 \eqcommand{ }{nonumber}
755 \eqcommand{ }{nopagebreak}
756 \eqcommand{ }{normalbaselines}
757 \eqcommand{ }{normalbaselineskip}
758 \eqcommand{ }{normalcolor}
759 \eqcommand{ }{normalfont}
760 \eqcommand{ }{normallineskip}
761 \eqcommand{ }{normallineskiplimit}
762 \eqcommand{ }{normalmarginpar}
763 \eqcommand{ }{normalsize}
764 \eqcommand{ }{notag}
765 \eqcommand{ }{null}
766 \eqcommand{ }{nullfont}
767 \eqcommand{ }{number}
768 \eqcommand{ }{numberline}
769 \eqcommand{ }{numberwithin}
770 \eqcommand{ }{@evenfoot}
771 \eqcommand{ }{@evenhead}
772 \eqcommand{ }{@oddfoot}
773 \eqcommand{ }{@oddhead}
774 \eqcommand{ }{@outeqtrue}
775 \eqcommand{ }{@outeqfalse}
776 \eqcommand{ }{obeylines}
777 \eqcommand{ }{obeyspaces}
778 \eqcommand{ }{oddsidemargin}
779 \eqcommand{ }{offinterlineskip}
780 \eqcommand{ }{omit}

```



```

781 \eqcommand{@           }{@onlypreamble}
782 \eqcommand{           }{onecolumn}
783 \eqcommand{           }{onlynotes}
784 \eqcommand{           }{onlyslides}
785 \eqcommand{           }{openin}
786 \eqcommand{           }{openout}
787 \eqcommand{           }{OptionNotUsed}
788 \eqcommand{ }{or}
789 \eqcommand{           }{outer}
790 \eqcommand{           }{output}
791 \eqcommand{           }{outputpenalty}
792 \eqcommand{           }{overfullrule}
793 \eqcommand{@           }{@preamblecmds}
794 \eqcommand{@ }{p@}
795 \eqcommand{           }{PackageError}
796 \eqcommand{           }{PackageInfo}
797 \eqcommand{           }{PackageWarning}
798 \eqcommand{           }{PackageWarningNoLine}
799 \eqcommand{           }{pagebreak}
800 \eqcommand{           }{pagecolor}
801 \eqcommand{           }{pagedepth}
802 \eqcommand{           }{pagefilllstretch}
803 \eqcommand{           }{pagefillstretch}
804 \eqcommand{           }{pagefilstretch}
805 \eqcommand{           }{pagegoal}
806 \eqcommand{           }{pagename}
807 \eqcommand{           }{pagenumbering}
808 \eqcommand{           }{pageref}
809 \eqcommand{           }{pagerulewidth}
810 \eqcommand{           }{pageshrink}
811 \eqcommand{           }{pagestretch}
812 \eqcommand{           }{pagestyle}
813 \eqcommand{           }{pagetotal}
814 \eqcommand{           }{paperheight}
815 \eqcommand{           }{paperwidth}
816 \bidi@csdefcs{ }{par}% this is an exception since \par is redefined only in some circumstances
817 \eqcommand{           }{paragraph}
818 \eqcommand{           }{parallel}
819 \eqcommand{           }{parbox}
820 \eqcommand{           }{parfillskip}
821 \eqcommand{           }{parindent}
822 \eqcommand{           }{parsep}
823 \eqcommand{           }{parshape}
824 \eqcommand{           }{parskip}
825 \eqcommand{ }{part}
826 \eqcommand{           }{partname}
827 \eqcommand{           }{partopsep}
828 \eqcommand{           }{PassOptionToClass}
829 \eqcommand{           }{PassOptionToPackage}
830 \eqcommand{           }{path}
831 \eqcommand{           }{patterns}
832 \eqcommand{           }{pausing}
833 \eqcommand{           }{penalty}
834 \eqcommand{           }{phantom}

```



```

835 \eqcommand{ }{poptabs}
836 \eqcommand{ }{postdisplaypenalty}
837 \eqcommand{ }{predisplaydirection}
838 \eqcommand{ }{predisplaypenalty}
839 \eqcommand{ }{predisplaysize}
840 \eqcommand{ }{pretolerance}
841 \eqcommand{ }{prevdepth}
842 \eqcommand{ }{prevgraf}
843 \eqcommand{ }{printindex}
844 \eqcommand{ }{ProcessOptions}
845 \eqcommand{ }{protect}
846 \eqcommand{ }{providecommand}
847 \eqcommand{ }{ProvidesClass}
848 \eqcommand{ }{ProvidesFile}
849 \eqcommand{ }{ProvidesPackage}
850 \eqcommand{ }{pushtabs}
851 \eqcommand{ }{quad}
852 \eqcommand{ }{qqquad}
853 \eqcommand{@ }{@outputpagerestore}
854 \eqcommand{ }{radical}
855 \eqcommand{ }{raggedbottom}
856 \eqcommand{ }{raggedleft}
857 \eqcommand{ }{raggedright}
858 \eqcommand{ }{raise}
859 \eqcommand{ }{raisebox}
860 \eqcommand{ }{raisetag}
861 \eqcommand{ }{rangle}
862 \eqcommand{ }{rceil}
863 \eqcommand{ }{read}
864 \eqcommand{ }{ref}
865 \eqcommand{ }{reflectbox}
866 \eqcommand{ }{refname}
867 \eqcommand{ }{refstepcounter}
868 \eqcommand{ }{relax}
869 \eqcommand{ }{removelastskip}
870 \eqcommand{ }{renewcommand}
871 \eqcommand{ }{renewenvironment}
872 \eqcommand{ }{RequirePackage}
873 \eqcommand{ }{RequirePackageWithOptions}
874 \eqcommand{ }{resizebox}
875 \eqcommand{ }{reversemarginpar}
876 \eqcommand{ }{rfloor}
877 \eqcommand{ }{right}
878 \eqcommand{ }{rightmargin}
879 \eqcommand{ }{rightmark}
880 \eqcommand{ }{rightpageskip}
881 \eqcommand{ }{rightskip}
882 \eqcommand{ }{rmdefault}
883 \eqcommand{ }{rmfamily}
884 \eqcommand{ }{Roman}
885 \eqcommand{ }{roman}
886 \eqcommand{ }{romannumeral}
887 \eqcommand{ }{rotatebox}
888 \eqcommand{ }{rowcolor}

```



```

889 \eqcommand{ }{rule}
890 \eqcommand{@ }{@secondoftwo}
891 \eqcommand{@ }{@spaces}
892 \eqcommand{ }{samepage}
893 \eqcommand{ }{savebox}
894 \eqcommand{ }{sbox}
895 \eqcommand{ }{scalebox}
896 \eqcommand{ }{scdefault}
897 \eqcommand{ }{scshape}
898 \eqcommand{ }{setkeys}
899 \eqcommand{ }{scriptfont}
900 \eqcommand{ }{scriptscriptfont}
901 \eqcommand{ }{scriptscriptstyle}
902 \eqcommand{ }{scriptsize}
903 \eqcommand{ }{scripstyle}
904 \eqcommand{ }{scrollmode}
905 \eqcommand{ }{section}
906 \eqcommand{ }{secdef}
907 \eqcommand{ }{see}
908 \eqcommand{ }{seealso}
909 \eqcommand{ }{seename}
910 \eqcommand{ }{selectfont}
911 \eqcommand{ }{setboolean}
912 \eqcommand{ }{setbox}
913 \eqcommand{ }{setcounter}
914 \eqcommand{ }{setlength}
915 \eqcommand{ }{setminus}
916 \eqcommand{ }{SetSymbolFont}
917 \eqcommand{ }{settodepth}
918 \eqcommand{ }{settoheight}
919 \eqcommand{ }{settowidth}
920 \eqcommand{ }{sfcode}
921 \eqcommand{ }{sfdefault}
922 \eqcommand{ }{sffamily}
923 \eqcommand{ }{shadowbox}
924 \eqcommand{ }{sharp}
925 \eqcommand{ }{shipout}
926 \eqcommand{ }{shortstack}
927 \eqcommand{ }{show}
928 \eqcommand{ }{showbox}
929 \eqcommand{ }{showboxbreadth}
930 \eqcommand{ }{showboxdepth}
931 \eqcommand{ }{showlists}
932 \eqcommand{ }{showthe}
933 \eqcommand{ }{simplefontmode}
934 \eqcommand{ @}{sxt@n}
935 \eqcommand{ }{skewchar}
936 \eqcommand{ }{skip}
937 \eqcommand{ @}{skip@}
938 \eqcommand{ }{skipdef}
939 \eqcommand{ }{sl}
940 \eqcommand{ }{sldefault}
941 \eqcommand{ }{slshape}
942 \eqcommand{ }{sloppy}

```



```

943 \eqcommand{ }{\slshape}
944 \eqcommand{ }{\small}
945 \eqcommand{ }{\smallskip}
946 \eqcommand{ }{\smallskipamount}
947 \eqcommand{ }{\smash}
948 \eqcommand{ }{\smile}
949 \eqcommand{ }{\snglftlocatencode}
950 \eqcommand{ }{\space}
951 \eqcommand{ }{\spacefactor}
952 \eqcommand{ }{\spaceskip}
953 \eqcommand{ }{\spadesuit}
954 \eqcommand{ }{\span}
955 \eqcommand{ }{\special}
956 \eqcommand{ }{\splitmaxdepth}
957 \eqcommand{ }{\splittopskip}
958 \eqcommand{ }{\star}
959 \eqcommand{ }{\stepcounter}
960 \eqcommand{ }{\stretch}
961 \eqcommand{ }{\string}
962 \eqcommand{ }{\strut}
963 \eqcommand{ }{\strutbox}
964 \eqcommand{ }{\subitem}
965 \eqcommand{ }{\subparagraph}
966 \eqcommand{ }{\subsection}
967 \eqcommand{ }{\substack}
968 \eqcommand{ }{\subsubitem}
969 \eqcommand{ }{\subsubsection}
970 \eqcommand{ }{\subset}
971 \eqcommand{ }{\subseteq}
972 \eqcommand{ }{\supereject}
973 \eqcommand{ }{\suppressfloats}
974 \eqcommand{@ }{@tempa}
975 \eqcommand{@ }{@tempb}
976 \eqcommand{@ }{@tempc}
977 \eqcommand{@ }{@tempd}
978 \eqcommand{@ }{@tempe}
979 \eqcommand{@ }{@tempboxa}
980 \eqcommand{@ }{@tempcnta}
981 \eqcommand{@ }{@tempcntb}
982 \eqcommand{@ }{@tempdima}
983 \eqcommand{@ }{@tempdimb}
984 \eqcommand{@ }{@tempdimc}
985 \eqcommand{@ }{@tempkipa}
986 \eqcommand{@ }{@tempskipb}
987 \eqcommand{@ }{@tempwafalse}
988 \eqcommand{@ }{@tempwatrue}
989 \eqcommand{@ }{@temptokena}
990 \eqcommand{ }{@thefnmark}
991 \eqcommand{@ }{@thirdofthree}
992 \eqcommand{ }{\tabbingsep}
993 \eqcommand{ }{\tabcolsep}
994 \eqcommand{ }{\tableofcontents}
995 \eqcommand{ }{\tablename}
996 \eqcommand{ }{\tabskip}

```



```

997 \eqcommand{ }{tabularnewline}
998 \eqcommand{ }{tag}
999 \eqcommand{ }{telephone}
1000 \eqcommand{ }{TeX}
1001 \eqcommand{ }{text}
1002 \eqcommand{ }{textbullet}
1003 \eqcommand{ }{textfont}
1004 \eqcommand{ }{textemdash}
1005 \eqcommand{ }{textendash}
1006 \eqcommand{ }{textexclamdown}
1007 \eqcommand{ }{textperiodcentered}
1008 \eqcommand{ }{textquestiondown}
1009 \eqcommand{ }{textquotedblleft}
1010 \eqcommand{ }{textquotedblright}
1011 \eqcommand{ }{textquoteleft}
1012 \eqcommand{ }{textquoteright}
1013 \eqcommand{ }{textvisiblespace}
1014 \eqcommand{ }{textbackslash}
1015 \eqcommand{ }{textbar}
1016 \eqcommand{ }{textgreater}
1017 \eqcommand{ }{textless}
1018 \eqcommand{ }{textbf}
1019 \eqcommand{ }{textcircled}
1020 \eqcommand{ }{textcolor}
1021 \eqcommand{ }{textcompwordmark}
1022 \eqcommand{ }{textfloatsep}
1023 \eqcommand{ }{textfraction}
1024 \eqcommand{ }{textheight}
1025 \eqcommand{ }{textindent}
1026 \eqcommand{ }{textit}
1027 \eqcommand{ }{textmd}
1028 \eqcommand{ }{textnormal}
1029 \eqcommand{ }{textregistered}
1030 \eqcommand{ }{textrm}
1031 \eqcommand{ }{textsc}
1032 \eqcommand{ }{textsf}
1033 \eqcommand{ }{textsl}
1034 \eqcommand{ }{textstyle}
1035 \eqcommand{ }{textsuperscript}
1036 \eqcommand{ }{texttrademark}
1037 \eqcommand{ }{texttt}
1038 \eqcommand{ }{textup}
1039 \eqcommand{ }{textwidth}
1040 \eqcommand{ }{thanks}
1041 \eqcommand{ }{the}
1042 \eqcommand{ }{thempfn}
1043 \eqcommand{ }{thicklines}
1044 \eqcommand{ }{thickmuskip}
1045 \eqcommand{ }{thinmuskip}
1046 \eqcommand{ }{thickspace}
1047 \eqcommand{ }{thinlines}
1048 \eqcommand{ }{thinspace}
1049 \eqcommand{ }{thisfancy page}
1050 \eqcommand{ }{thispagestyle}

```



```

1051 \eqcommand{ @}{thr@}
1052 \eqcommand{ }{tilde}
1053 \eqcommand{ }{tiny}
1054 \eqcommand{ }{time}
1055 \eqcommand{ }{times}
1056 \eqcommand{ }{title}
1057 \eqcommand{ }{to}
1058 \eqcommand{ }{today}
1059 \eqcommand{ }{toks}
1060 \eqcommand{ }{toksdef}
1061 \eqcommand{ }{tolerance}
1062 \eqcommand{ }{top}
1063 \eqcommand{ }{topfigrule}
1064 \eqcommand{ }{topfraction}
1065 \eqcommand{ }{topmargin}
1066 \eqcommand{ }{topmark}
1067 \eqcommand{ }{toppageskip}
1068 \eqcommand{ }{topsep}
1069 \eqcommand{ }{topskip}
1070 \eqcommand{ }{totalheight}
1071 \eqcommand{ }{tracingall}
1072 \eqcommand{ }{tracingcommands}
1073 \eqcommand{ }{tracinglostchars}
1074 \eqcommand{ }{tracingmacros}
1075 \eqcommand{ }{tracingonline}
1076 \eqcommand{ }{tracingoutput}
1077 \eqcommand{ }{tracingpages}
1078 \eqcommand{ }{tracingparagraphs}
1079 \eqcommand{ }{tracingrestores}
1080 \eqcommand{ }{tracingstats}
1081 \eqcommand{ }{triangle}
1082 \eqcommand{ }{ttdefault}
1083 \eqcommand{ }{ttfamily}
1084 \eqcommand{ @}{tw@}
1085 \eqcommand{ }{twocolumn}
1086 \eqcommand{ }{typein}
1087 \eqcommand{ }{typeout}
1088 \eqcommand{ }{uccode}
1089 \eqcommand{ }{uchyph}
1090 \eqcommand{ }{underline}
1091 \eqcommand{ }{unhbox}
1092 \eqcommand{ }{unhcopy}
1093 \eqcommand{ }{unitlength}
1094 \eqcommand{ }{unkern}
1095 \eqcommand{ }{unpenalty}
1096 \eqcommand{ }{unskip}
1097 \eqcommand{ }{unvbox}
1098 \eqcommand{ }{unvcopy}
1099 \eqcommand{ }{updefault}
1100 \eqcommand{ }{upshape}
1101 \eqcommand{ }{usebox}
1102 \eqcommand{ }{usecounter}
1103 \eqcommand{ }{usefont}
1104 \eqcommand{ }{usepackage}

```




```

1105 \eqcommand{@      }{@vobeyspaces}
1106 \eqcommand{@      }{@void}
1107 \eqcommand{      }{vadjust}
1108 \eqcommand{      }{valign}
1109 \eqcommand{      }{value}
1110 \eqcommand{      }{vbadness}
1111 \eqcommand{      }{vbox}
1112 \eqcommand{      }{vcenter}
1113 \eqcommand{      }{verb}
1114 \eqcommand{      }{vfil}
1115 \eqcommand{      }{vfill}
1116 \eqcommand{      }{vfilneg}
1117 \eqcommand{      }{vfuzz}
1118 \eqcommand{      }{visible}
1119 \eqcommand{      }{vline}
1120 \eqcommand{      }{voffset}
1121 \eqcommand{      @ }{voidb@x}
1122 \eqcommand{      }{vpageref}
1123 \eqcommand{      }{vrboxsep}
1124 \eqcommand{      }{vref}
1125 \eqcommand{      }{vrule}
1126 \eqcommand{      }{vsize}
1127 \eqcommand{      }{vskip}
1128 \eqcommand{      }{vspace}
1129 \eqcommand{      }{vsplit}
1130 \eqcommand{      }{vss}
1131 \eqcommand{      }{vtop}
1132 \eqcommand{      }{wd}
1133 \eqcommand{      }{whiledo}
1134 \eqcommand{      }{widehat}
1135 \eqcommand{      }{widetilde}
1136 \eqcommand{      }{widowpenalty}
1137 \eqcommand{      }{width}
1138 \eqcommand{      }{wlog}
1139 \eqcommand{      }{write}
1140 \eqcommand{@      }{@xobeysp}
1141 \eqcommand{      @ }{@xxxii}
1142 \eqcommand{      }{xdef}
1143 \eqcommand{      }{xleaders}
1144 \eqcommand{      }{xspaceskip}
1145 \eqcommand{      }{year}
1146 \eqcommand{@      }{z@}
1147 \eqcommand{@      }{z@skip}

```

21 File color-localize-xetex-xepersian.def

```

1148 color}          \-localize-xetex-xepersian.def}[2011/03/01 v0.1 localizing color package for Xe
1149 0}{rgb}{      } \0,,0}
1150 1}{rgb}{      } \1,,1}
1151 1}{rgb}{      } \0,,0}
1152 0}{rgb}{      } \1,,0}
1153 0}{rgb}{      } \0,,1}
1154 1}{cmyk}{     } \0,,0,0}
1155 0}{cmyk}{     } \1,,0,0}

```



1156 }{cmyk}{ } \0,,1,0}

22 File xepersian-localize-commands-xetex-xepersian.def

```
1157 \ProvidesFile{xepersian-localize-commands-xetex-xepersian.def}[2012/07/25 v0.2 Persian Localize]
1158 \eqcommand{ }{autofootnoterule}
1159 \eqcommand{ }{AutoMathDigits}
1160 \eqcommand{ }{DefaultMathDigits}
1161 \eqcommand{ @ }{keyval@eq@alias@key}
1162 \eqcommand{ }{deflatinfont}
1163 \eqcommand{ }{defpersianfont}
1164 \eqcommand{ }{hboxL}
1165 \eqcommand{ }{hboxR}
1166 \eqcommand{ }{Latincite}
1167 \eqcommand{ }{latinfont}
1168 \eqcommand{ }{latintoday}
1169 \eqcommand{ }{leftfootnoterule}
1170 \eqcommand{ }{lr}
1171 \eqcommand{ }{LRE}
1172 \eqcommand{ }{LTRdblcol}
1173 \eqcommand{ }{LTRfootnote}
1174 \eqcommand{ }{LTRfootnotetext}
1175 \eqcommand{ }{LTRthanks}
1176 \eqcommand{ }{persianday}
1177 \eqcommand{ }{persianfont}
1178 \eqcommand{ }{PersianMathDigits}
1179 \eqcommand{ }{persianmonth}
1180 \eqcommand{ }{persianyear}
1181 \eqcommand{ }{plq}
1182 \eqcommand{ }{prq}
1183 \eqcommand{ }{rightfootnoterule}
1184 \eqcommand{ }{rl}
1185 \eqcommand{ }{RLE}
1186 \eqcommand{ }{RTLdblcol}
1187 \eqcommand{ }{RTLfootnote}
1188 \eqcommand{ }{RTLfootnotetext}
1189 \eqcommand{ }{RTLthanks}
1190 \eqcommand{@ }{@SepMark}
1191 \eqcommand{ }{SepMark}
1192 \eqcommand{ }{setdefaultbibitems}
1193 \eqcommand{ }{setdefaultmarginpar}
1194 \eqcommand{ }{setmathdigitfont}
1195 \eqcommand{ }{setfootnoteLR}
1196 \eqcommand{ }{setfootnoteRL}
1197 \eqcommand{ }{setlatintextfont}
1198 \eqcommand{ }{setLTR}
1199 \eqcommand{ }{setLTRbibitems}
1200 \eqcommand{ }{setLTRmarginpar}
1201 \eqcommand{ }{setRTL}
1202 \eqcommand{ }{setRTLbibitems}
1203 \eqcommand{ }{setRTLmarginpar}
1204 \eqcommand{ }{settextfont}
1205 \eqcommand{ }{textwidthfootnoterule}
1206 \eqcommand{ }{twocolumnstableofcontents}
```



```

1207 \eqcommand{      }{\unsetfootnoteRL}
1208 \eqcommand{      }{\unsetLTR}
1209 \eqcommand{      }{\unsetRTL}
1210 \eqcommand{      }{\vboxL}
1211 \eqcommand{      }{\vboxR}
1212 \eqcommand{      }{\XeLaTeX}
1213 \eqcommand{      }{\XePersian}
1214 \eqcommand{      }{\xepersianversion}
1215 \eqcommand{      }{\xepersiandate}
1216 \eqcommand{      }{\XeTeX}

```

23 File enumerate-xetex-xepersian.def

```

1217 \ProvidesFile{enumerate-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for enumer
1218 \def\@enloop@{%
1219   \ifx entemp@      \def\@tempa{\@enLabel\harfi } \else
1220   \ifx entemp@      \def\@tempa{\@enLabel\adadi } \else
1221   \ifx entemp@      \def\@tempa{\@enLabel\tartibi } \else
1222   \ifx A\@entemp    \def\@tempa{\@enLabel\Alph } \else
1223   \ifx a\@entemp    \def\@tempa{\@enLabel\alph } \else
1224   \ifx i\@entemp    \def\@tempa{\@enLabel\roman } \else
1225   \ifx I\@entemp    \def\@tempa{\@enLabel\Roman } \else
1226   \ifx 1\@entemp    \def\@tempa{\@enLabel\arabic} \else
1227   \ifx \@sptoken\@entemp \let\@tempa\@enSpace      \else
1228   \ifx \bgroup\@entemp  \let\@tempa\@enGroup       \else
1229   \ifx \@enum@\@entemp  \let\@tempa\@gobble       \else
1230                       \let\@tempa\@enOther
1231                       \@enhook
1232   \fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi
1233   \@tempa}

```

24 File enumitem-xetex-xepersian.def

```

1234 \ProvidesFile{enumitem-xetex-xepersian.def}[2017/09/06 v0.1 xepersian adaptations for enumitem
1235 \AddEnumerateCounter*\tartibi\@tartibi{999999999}
1236 \AddEnumerateCounter*\adadi\@adadi{999999999}
1237 \AddEnumerateCounter\harfi\@harfi{ }
1238 \AddEnumerateCounter\Abjad\@Abjad{ }
1239 \AddEnumerateCounter\abjad\@abjad{ }
1240 \SetEnumerateShortLabel{ }{\tartibi*}
1241 \SetEnumerateShortLabel{ }{\adadi*}
1242 \SetEnumerateShortLabel{ }{\harfi*}
1243 \SetEnumerateShortLabel{ }{\Abjad*}
1244 \SetEnumerateShortLabel{ }{\abjad*}

```

25 File latex-localize-environments-xetex-xepersian.def

```

1245 \ProvidesFile{latex-localize-environments-xetex-xepersian.def}[2022/06/06 v0.3 Persian localiz
1246 \eqenvironment{   }{abstract}
1247 \eqenvironment{   }{appendix}
1248 \eqenvironment{   }{array}
1249 \eqenvironment{   }{center}
1250 \eqenvironment{   }{description}
1251 \eqenvironment{   }{displaymath}

```



```

1252 \EqEnvironment{ }{document}
1253 \eqenvironment{ }{enumerate}
1254 \eqenvironment{ }{figure}
1255 \eqenvironment{ *}{figure*}
1256 \eqenvironment{ }{filecontents}
1257 \eqenvironment{ *}{filecontents*}
1258 \eqenvironment{ }{flushleft}
1259 \eqenvironment{ }{flushright}
1260 \eqenvironment{ }{itemize}
1261 \eqenvironment{ }{letter}
1262 \eqenvironment{ }{list}
1263 \eqenvironment{ }{longtable}
1264 \eqenvironment{ }{lrbox}
1265 \eqenvironment{ }{math}
1266 \eqenvironment{ }{matrix}
1267 \eqenvironment{ }{minipage}
1268 \eqenvironment{ }{multline}
1269 \eqenvironment{ }{note}
1270 \eqenvironment{ }{overlay}
1271 \eqenvironment{ }{picture}
1272 \eqenvironment{ }{quotation}
1273 \eqenvironment{ }{quote}
1274 \eqenvironment{ }{slide}
1275 \eqenvironment{ }{sloppypar}
1276 \eqenvironment{ }{split}
1277 \eqenvironment{ }{subarray}
1278 \eqenvironment{ }{tabbing}
1279 \eqenvironment{ }{table}
1280 \eqenvironment{ *}{table*}
1281 \eqenvironment{ }{tabular}
1282 \eqenvironment{ *}{tabular*}
1283 \eqenvironment{ }{thebibliography}
1284 \eqenvironment{ }{theindex}
1285 \eqenvironment{ }{titlepage}
1286 \eqenvironment{ }{trivlist}
1287 \eqenvironment{ }{verse}

```

26 File `xepersian-localize-environments-xetex-xepersian.def`

```

1288 \ProvidesFile{xepersian-localize-environments-xetex-xepersian.def}[2010/07/25 v0.1 Persian 1
1289 \eqenvironment{ }{latin}
1290 \eqenvironment{ }{LTR}
1291 \eqenvironment{ }{LTRitems}
1292 \eqenvironment{ }{modernpoem}
1293 \eqenvironment{ *}{modernpoem*}
1294 \eqenvironment{ }{persian}
1295 \eqenvironment{ }{RTL}
1296 \eqenvironment{ }{RTLitems}
1297 \eqenvironment{ }{traditionalpoem}
1298 \eqenvironment{ *}{traditionalpoem*}

```

27 File `extarticle-xetex-xepersian.def`

```

1299 \ProvidesFile{extarticle-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extar

```



```

1300 \renewcommand\thepart      {\@tartibi\c@part}
1301 \renewcommand\appendix{\par
1302   \setcounter{section}{0}%
1303   \setcounter{subsection}{0}%
1304   \gdef\thesection{\@harfi\c@section}}

```

28 File extbook-xetex-xepersian.def

```

1305 \ProvidesFile{extbook-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extbook]
1306 \renewcommand\frontmatter{%
1307   \cleardoublepage
1308   \@mainmatterfalse
1309   \pagenumbering{harfi}}
1310 \renewcommand \thepart {\@tartibi\c@part}
1311 \renewcommand\appendix{\par
1312   \setcounter{chapter}{0}%
1313   \setcounter{section}{0}%
1314   \gdef\@chapapp{\appendixname}%
1315   \gdef\thechapter{\@harfi\c@chapter}
1316 }%end appendix

```

29 File extrafootnotefeatures-xetex-bidi-xetex-xepersian.def

```

1317 \ProvidesFile{extrafootnotefeatures-xetex-bidi-xetex-xepersian.def}[2012/01/01 v0.2 xepersian adaptations for extrafootnotefeatures]
1318 \renewcommand{\foottextfont}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1319 \renewcommand{\LTRfoottextfont}{\footnotesize\resetlatinfont}
1320 \renewcommand{\RTLfoottextfont}{\footnotesize\setpersianfont}

```

30 File extreport-xetex-xepersian.def

```

1321 \ProvidesFile{extreport-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for extreport]
1322 \renewcommand\thepart      {\@tartibi\c@part}
1323 \renewcommand\appendix{\par
1324   \setcounter{chapter}{0}%
1325   \setcounter{section}{0}%
1326   \gdef\@chapapp{\appendixname}%
1327   \gdef\thechapter{\@harfi\c@chapter}}

```

31 File fancyref-xetex-xepersian.def

```

1328 \ProvidesFile{fancyref-xetex-xepersian.def}[2018/09/29 v0.1 xepersian adaptations for fancyref]
1329 \renewcommand*\Frefchapname{\chaptername}
1330 \renewcommand*\Frefenumname{%
1331   \if@RTL
1332 %
1333   \else
1334     Item%
1335   \fi
1336 }
1337 \renewcommand*\Frefeqname{%
1338   \if@RTL
1339 %
1340   \else
1341     Equation%

```



```

1342 \fi
1343 }
1344 \renewcommand*{\Freffigname}{\figurename}
1345 \renewcommand*{\Freffnname}{%
1346 \if@RTL
1347 %
1348 \else
1349 Footnote%
1350 \fi
1351 }
1352 \renewcommand*{\Frefonname}{%
1353 \if@RTL
1354 %
1355 \else
1356 On%
1357 \fi
1358 }
1359 \renewcommand*{\Frefpgname}{\pagename}
1360 \renewcommand*{\Frefsecname}{%
1361 \if@RTL
1362 %
1363 \else
1364 Section%
1365 \fi
1366 }
1367 \renewcommand*{\Frefseename}{%
1368 \if@RTL
1369 %
1370 \else
1371 See%
1372 \fi
1373 }
1374 \renewcommand*{\Frefstabname}{\tablename}
1375 \renewcommand*{\Freffigshortname}{%
1376 \if@RTL
1377 \Freffigname
1378 \else
1379 Fig.%
1380 \fi
1381 }
1382 \renewcommand*{\Frefpgshortname}{%
1383 \if@RTL
1384 \Frefpgname
1385 \else
1386 P.%
1387 \fi
1388 }
1389 \renewcommand*{\Frefstabshortname}{%
1390 \if@RTL
1391 \tablename
1392 \else
1393 Tab.%
1394 \fi
1395 }

```



```

1396 \renewcommand*{\frefchapname}{%
1397   \if@RTL
1398     \Frefchapname
1399   \else
1400     \MakeLowercase{\Frefchapname}%
1401 \fi
1402 }
1403 \renewcommand*{\frefenumname}{%
1404   \if@RTL
1405     \Frefenumname
1406   \else
1407     \MakeLowercase{\Frefenumname}%
1408 \fi
1409 }
1410 \renewcommand*{\frefeqname}{%
1411   \if@RTL
1412     \Frefeqname
1413   \else
1414     \MakeLowercase{\Frefeqname}%
1415 \fi
1416 }
1417 \renewcommand*{\freffigname}{%
1418   \if@RTL
1419     \Freffigname
1420   \else
1421     \MakeLowercase{\Freffigname}%
1422 \fi
1423 }
1424 \renewcommand*{\freffnname}{%
1425   \if@RTL
1426     \Freffnname
1427   \else
1428     \MakeLowercase{\Freffnname}%
1429 \fi
1430 }
1431 \renewcommand*{\frefonname}{%
1432   \if@RTL
1433     \Frefonname
1434   \else
1435     \MakeLowercase{\Frefonname}%
1436 \fi
1437 }
1438 \renewcommand*{\frefpgname}{%
1439   \if@RTL
1440     \Frefpgname
1441   \else
1442     \MakeLowercase{\Frefpgname}%
1443 \fi
1444 }
1445 \renewcommand*{\frefsecname}{%
1446   \if@RTL
1447     \Frefsecname
1448   \else
1449     \MakeLowercase{\Frefsecname}%

```



```

1450 \fi
1451 }
1452 \renewcommand*{\frefseename}{%
1453 \if@RTL
1454 \Frefseename
1455 \else
1456 \MakeLowercase{\Frefseename}%
1457 \fi
1458 }
1459 \renewcommand*{\frefstabname}{%
1460 \if@RTL
1461 \Frefstabname
1462 \else
1463 \MakeLowercase{\Frefstabname}%
1464 \fi
1465 }
1466 \renewcommand*{\freffigshortname}{%
1467 \if@RTL
1468 \Freffigshortname
1469 \else
1470 \MakeLowercase{\Freffigshortname}%
1471 \fi
1472 }
1473 \renewcommand*{\frefpgshortname}{%
1474 \if@RTL
1475 \Frefpgshortname
1476 \else
1477 \MakeLowercase{\Frefpgshortname}%
1478 \fi
1479 }
1480 \renewcommand*{\frefstabshortname}{%
1481 \if@RTL
1482 \Frefstabshortname
1483 \else
1484 \MakeLowercase{\Frefstabshortname}%
1485 \fi
1486 }

```

32 File footnote-xetex-bidi-xetex-xepersian.def

```

1487 \ProvidesFile{footnote-xetex-bidi-xetex-xepersian.def}[2017/08/09 v0.6 xepersian adaptations
1488
1489 \renewcommand*{\bidi@footnotetext@font}{\footnotesize\if@RTL@footnote\else\resetlatinfont\fi}
1490
1491 \renewcommand*{\bidi@LTRfootnotetext@font}{\footnotesize\resetlatinfont}
1492
1493 \renewcommand*{\bidi@RTLfootnotetext@font}{\footnotesize\setpersianfont}
1494

```

33 File framed-xetex-xepersian.def

```

1495 \ProvidesFile{framed-xetex-xepersian.def}[2012/06/05 v0.1 xepersian adaptations for framed p
1496 \renewenvironment{titled-frame}[1]{%
1497 \def\FrameCommand{\fboxsep8pt\fboxrule2pt

```




```

1498   \TitleBarFrame{\textbf{#1}}}%
1499 \def\FirstFrameCommand{\fboxsep8pt\fboxrule2pt
1500   \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}}}%
1501 \def\MidFrameCommand{\fboxsep8pt\fboxrule2pt
1502   \TitleBarFrame[$\if@RTL\blacktriangleleft\else\blacktriangleright\fi$]{\textbf{#1}\ (\if@
1503 \def\LastFrameCommand{\fboxsep8pt\fboxrule2pt
1504   \TitleBarFrame{\textbf{#1}\ (\if@RTL else\ cont\fi)}}}%
1505 \MakeFramed{\advance\hsize-20pt \FrameRestore}}%
1506 % note: 8 + 2 + 8 + 2 = 20. Don't use \width because the frame title
1507 % could interfere with the width measurement.
1508 {\endMakeFramed}

```

34 File glossaries-xetex-xepersian.def

```

1509 \ProvidesFile{glossaries-xetex-xepersian.def}[2014/09/04 v0.4 xepersian adaptations for gloss
1510 \glsaddprotectedpagefmt{@harfi}
1511 \glsaddprotectedpagefmt{@tartibi}
1512 \glsaddprotectedpagefmt{@adadi}

```

35 File hyperref-xetex-xepersian.def

```

1513 \ProvidesFile{hyperref-xetex-xepersian.def}[2022/10/30 v0.8 xepersian adaptations for hyperre
1514 \def\equationautorefname{\if@RTL else\ Equation\fi}%
1515 \def\footnoteautorefname{\if@RTL else\ footnote\fi}%
1516 \def\itemautorefname{\if@RTL else\ item\fi}%
1517 \def\figureautorefname{\if@RTL else\ Figure\fi}%
1518 \def\tableautorefname{\if@RTL else\ Table\fi}%
1519 \def\partautorefname{\if@RTL else\ Part\fi}%
1520 \def\appendixautorefname{\if@RTL else\ Appendix\fi}%
1521 \def\chapterautorefname{\if@RTL else\ chapter\fi}%
1522 \def\sectionautorefname{\if@RTL else\ section\fi}%
1523 \def\subsectionautorefname{\if@RTL else\ subsection\fi}%
1524 \def\subsubsectionautorefname{\if@RTL else\ subsubsection\fi}%
1525 \def\paragraphautorefname{\if@RTL else\ paragraph\fi}%
1526 \def\subparagraphautorefname{\if@RTL else\ subparagraph\fi}%
1527 \def\FancyVerbLineautorefname{\if@RTL else\ line\fi}%
1528 \def\theoremautorefname{\if@RTL else\ Theorem\fi}%
1529 \def\pageautorefname{\if@RTL else\ page\fi}%
1530 \ifHy@implicit
1531 \AtBeginDocument{%
1532   \let\HyOrg@appendix\appendix
1533   \def\appendix{%
1534     \ltx@ifundefined{chapter}%
1535     {\gdef\theHsection{\Alph{section}}}%
1536     {\gdef\theHchapter{\Alph{chapter}}}%
1537     \xdef\Hy@chapapp{\Hy@appendixstring}%
1538     \HyOrg@appendix
1539   }%
1540 }%
1541 \fi
1542 \pdfstringdefDisableCommands{%
1543   \let\lr\@firstofone
1544   \let\rl\@firstofone
1545   \def\XePersian{XePersian}%

```



```

1546 }
1547 \ltx@ifundefined{@resets@pp}{%
1548 }{%
1549   \let\HyOrg@resets@pp\@resets@pp
1550   \def\@resets@pp{%
1551     \ltx@ifundefined{chapter}{%
1552       \gdef\theHsection{\Hy@AlphNoErr{section}}%
1553     }{%
1554       \gdef\theHchapter{\Hy@AlphNoErr{chapter}}%
1555     }%
1556     \xdef\Hy@chapapp{\Hy@appendixstring}%
1557     \HyOrg@resets@pp
1558   }%
1559 }

```

36 File `imsproc-xetex-xepersian.def`

```

1560 \ProvidesFile{imsproc-xetex-xepersian.def}[2017/06/09 v0.5 xepersian adaptations for imsproc
1561
1562 \renewcommand \thepart {\@tartibi\c@part}
1563 \def\appendix{\par\c@section\z@ \c@subsection\z@
1564   \let\sectionname\appendixname
1565   \def\thesection{\@harfi\c@section}}
1566

```

37 File `kashida-xetex-xepersian.def`

```

1567 \ProvidesFile{kashida-xetex-xepersian.def}[2024/12/20 v1.0 implementation of Kashida for XeT
1568 \chardef\xepersian@zwj="200D % zero-width joiner
1569 \chardef\xepersian@kashidachar="0640 % kashida
1570
1571 \chardef\xepersian@dualjoiner=10 % dual-joiner class
1572 \chardef\xepersian@lam=11 % lam
1573 \chardef\xepersian@rightjoiner=12 % right-joiner
1574 \chardef\xepersian@alef=13 % alef
1575 \chardef\xepersian@vowel=4096 % vowel or other combining mark (to be ignored)
1576 \newif\if@Kashida@on
1577 \def\xepersian@kashida{%
1578   \if@Kashida@on
1579     \xepersian@zwj
1580     \nobreak
1581     \leaders\hrule height \XeTeXglyphbounds\tw@
1582     \the\XeTeXcharglyph\xepersian@kashidachar
1583     depth \XeTeXglyphbounds\f@ur
1584     \the\XeTeXcharglyph\xepersian@kashidachar
1585     \hskip0pt plus 0.5em
1586     \xepersian@zwj
1587   \fi
1588 }
1589
1590 \def\setclass#1#2{\def\theclass{#1}\def\charlist{#2}%
1591   \expandafter\dosetclass\charlist,\end}
1592 \def\dosetclass#1,#2\end{%
1593   \def\test{#1}\def\charlist{#2}%

```



```

1594 \ifx\test\empty\let\next\finishsetclass
1595 \else \XeTeXcharclass "\test = \theclass
1596 \let\next\dosetclass \fi
1597 \expandafter\next\charlist,,\end}
1598 \def\finishsetclass#1,,\end{}
1599
1600 \setclass \xepersian@alef {0622,0623,0625,0627}
1601 \setclass \xepersian@rightjoiner {0624,0629,062F,0630,0631,0632,0648,0698}
1602 \setclass \xepersian@dualjoiner {0626,0628,062A,062B,062C,062D,062E}
1603 \setclass \xepersian@dualjoiner {0633,0634,0635,0636,0637,0638,0639,063A}
1604 \setclass \xepersian@dualjoiner {0640,0641,0642,0643,0645,0646,0647,0649,064A}
1605 \setclass \xepersian@dualjoiner {067E,0686,06A9,06AF,06CC}
1606 \setclass \xepersian@lam {0644}
1607 \setclass \xepersian@vowel {064B,064C,064D,064E,064F,0650,0651,0652}
1608
1609 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@dualjoiner = {\xepersian@kashida}
1610 \XeTeXinterchartoks \xepersian@lam \xepersian@dualjoiner = {\xepersian@kashida}
1611 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@lam = {\xepersian@kashida}
1612 \XeTeXinterchartoks \xepersian@lam \xepersian@lam = {\xepersian@kashida}
1613 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@rightjoiner = {\xepersian@kashida}
1614 \XeTeXinterchartoks \xepersian@dualjoiner \xepersian@alef = {\xepersian@kashida}
1615 \XeTeXinterchartoks \xepersian@lam \xepersian@rightjoiner = {\xepersian@kashida}
1616 \XeTeXinterchartoks \xepersian@lam \xepersian@alef = {}
1617
1618 \newcommand{\KashidaOn}{\@Kashida@ontrue}
1619 \newcommand{\KashidaOff}{\@Kashida@onfalse}
1620
1621 \KashidaOn

```

38 File listings-xetex-xepersian.def

```

1622 \ProvidesFile{listings-xetex-xepersian.def}[2014/07/17 v0.3 xepersian adaptations for listings]
1623 \def\lstlistingname{\if@RTL else\ Listing\fi}
1624 \def\lstlistlistingname{\if@RTL else\ Listings\fi}

```

39 File localize-xetex-xepersian.def

```

1625 \ProvidesFile{localize-xetex-xepersian.def}[2025/01/03 v0.2d Persian localization of LaTeX2ε]
1626 \newcommand{\makezwnjletter}{\catcode`=11\relax}
1627 \makezwnjletter
1628 \newcommand*{\eqcommand}[2]{\if@bidi@csprimitive{#2}{\bidi@csletcs{#1}{#2}}{\bidi@csdefcs{#1}{#2}}}
1629 \newcommand*{\eqenvironment}[2]{\newenvironment{#1}{%
1630 \if@bidi@csdef{verbatim@}{\let\verbatim@\xepersian@localize@verbatim@}{\csname#2\endcsname}}{#2}}
1631 \newcommand*{\EqEnvironment}[2]{%
1632 \expandafter\let\csname #1\expandafter\endcsname\csname #2\endcsname
1633 \expandafter\let\csname end#1\expandafter\endcsname\csname end#2\endcsname
1634 }
1635 \ApplyPatchCodeToPackage{keyval}{%
1636 \newcommand*\keyval@eq@alias@key[4][KV]{%
1637 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1638 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1639 }
1640 \ApplyPatchCodeToPackage{xkeyval}{%
1641 \newcommand*\keyval@eq@alias@key[4][KV]{%

```



```

1642 \bidi@cslletcs{#1@#2@#3}{#1@#2@#4}%
1643 \bidi@cslletcs{#1@#2@#3@default}{#1@#2@#4@default}}%
1644 }
1645 \input{latex-localize-commands-xetex-xepersian.def}
1646 \input{xepersian-localize-commands-xetex-xepersian.def}
1647 \input{latex-localize-environments-xetex-xepersian.def}
1648 \input{xepersian-localize-environments-xetex-xepersian.def}
1649 \input{latex-localize-messages-xetex-xepersian.def}
1650 \input{latex-localize-misc-xetex-xepersian.def}
1651 \input{packages-localize-xetex-xepersian.def}
1652 \aliasfontfeature{ExternalLocation}{ }
1653 \aliasfontfeature{Path}{ }
1654 \aliasfontfeature{Renderer}{ }
1655 \aliasfontfeature{BoldFont}{ }
1656 \aliasfontfeature{Language}{ }
1657 \aliasfontfeature{Script}{ }
1658 \aliasfontfeature{UprightFont}{ }
1659 \aliasfontfeature{ItalicFont}{ }
1660 \aliasfontfeature{BoldItalicFont}{ }
1661 \aliasfontfeature{SlantedFont}{ }
1662 \aliasfontfeature{BoldSlantedFont}{ }
1663 \aliasfontfeature{SmallCapsFont}{ }
1664 \aliasfontfeature{UprightFeatures}{ }
1665 \aliasfontfeature{BoldFeatures}{ }
1666 \aliasfontfeature{ItalicFeatures}{ }
1667 \aliasfontfeature{BoldItalicFeatures}{ }
1668 \aliasfontfeature{SlantedFeatures}{ }
1669 \aliasfontfeature{BoldSlantedFeatures}{ }
1670 \aliasfontfeature{SmallCapsFeatures}{ }
1671 \aliasfontfeature{SizeFeatures}{ }
1672 \aliasfontfeature{Scale}{ }
1673 \aliasfontfeature{WordSpace}{ }
1674 \aliasfontfeature{PunctuationSpace}{ }
1675 \aliasfontfeature{FontAdjustment}{ }
1676 \aliasfontfeature{LetterSpace}{ }
1677 \aliasfontfeature{HyphenChar}{ }
1678 \aliasfontfeature{Color}{ }
1679 \aliasfontfeature{Opacity}{ }
1680 \aliasfontfeature{Mapping}{ }
1681 \aliasfontfeature{Weight}{ }
1682 \aliasfontfeature{Width}{ }
1683 \aliasfontfeature{OpticalSize}{ }
1684 \aliasfontfeature{FakeSlant}{ }
1685 \aliasfontfeature{FakeStretch}{ }
1686 \aliasfontfeature{FakeBold}{ }
1687 \aliasfontfeature{AutoFakeSlant}{ }
1688 \aliasfontfeature{AutoFakeBold}{ }
1689 \aliasfontfeature{Ligatures}{ }
1690 \aliasfontfeature{Alternate}{ }
1691 \aliasfontfeature{Variant}{ }
1692 \aliasfontfeature{Variant}{ }
1693 \aliasfontfeature{CharacterVariant}{ }
1694 \aliasfontfeature{Style}{ }
1695 \aliasfontfeature{Annotation}{ }

```



```

1696 \aliasfontfeature{RawFeature}{      }
1697 \aliasfontfeature{CharacterWidth}{   }
1698 \aliasfontfeature{Numbers}{         }
1699 \aliasfontfeature{Contextuals}{     }
1700 \aliasfontfeature{Diacritics}{      }
1701 \aliasfontfeature{Letters}{         }
1702 \aliasfontfeature{Kerning}{         }
1703 \aliasfontfeature{VerticalPosition}{ }
1704 \aliasfontfeature{Fractions}{       }
1705 \aliasfontfeatureoption{Language}{Default}{ }
1706 \aliasfontfeatureoption{Language}{Persian}{ }
1707 \aliasfontfeatureoption{Script}{Persian}{ }
1708 \aliasfontfeatureoption{Script}{Latin}{ }
1709 \aliasfontfeatureoption{Style}{MathScript}{ }
1710 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

40 File memoir-xetex-xepersian.def

```

1711 \ProvidesFile{memoir-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for memoir class]
1712 \renewcommand{\@memfront}{%
1713   \@smemfront\pagenumbering{harfi}}
1714 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1715 \renewcommand*{\thebook}{\@tartibi\c@book}
1716 \renewcommand*{\thepart}{\@tartibi\c@part}
1717 \renewcommand{\appendix}{\par
1718   \setcounter{chapter}{0}%
1719   \setcounter{section}{0}%
1720   \gdef\@chapapp{\appendixname}%
1721   \gdef\thechapter{\@harfi\c@chapter}%
1722   \anappendixtrue}

```

41 File latex-localize-messages-xetex-xepersian.def

```

1723 latex} \-localize-messages-xetex-xepersian.def}[2011/03/01 v0.1 localizing LaTeX2e messages]

```

42 File minitoc-xetex-xepersian.def

```

1724 \ProvidesFile{minitoc-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for minitoc class]
1725 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1726 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1727 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1728 \def\mtctitle{\if@RTL else\ Contents\fi}%
1729 \def\mlfttitle{\if@RTL else\ Figures\fi}%
1730 \def\mltttitle{\if@RTL else\ Tables\fi}%
1731 \def\stctitle{\if@RTL else\ Contents\fi}%
1732 \def\slfttitle{\if@RTL else\ Figures\fi}%
1733 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

43 File latex-localize-misc-xetex-xepersian.def

```

1734 \ProvidesFile{latex-localize-misc-xetex-xepersian.def}[2025/01/03 v0.3 miscellaneous Persian]
1735 %}1# \ \
1736 \@ \ @ \ \
1737 \1# \

```



```

1738 \1# @\
1739 \1# @\
1740 { @ \ \
1741 %}2#1# @\ \
1742 %1# \ @\ \ \ \ \
1743 \2# \ @\ \
1744 {{2#1# \}}
1745 undefined\ \ \
1746
1747 %{\ \ \ \ \1#} \ \} \1# \ \
1748 \ { \ \ \ \
1749 \ \ \
1750
1751
1752 \ \ \ \%} \#1
1753 \1#} \ \ \% \
1754 \ \ \ \
1755 }%
1756 \
1757 \ \ \
1758 }
1759 \= \ \
1760
1761
1762 \ApplyPatchCodeToFile{latex-xetex-bidi}{%
1763 \def\@xfloat #1[#2]{%
1764 \@nodocument
1765 \def \@capttype {#1}%
1766 \def \@fps {#2}%
1767 \@onelevel@sanitize \@fps
1768 \def \reserved@b {!}%
1769 \ifx \reserved@b \@fps
1770 \@fpsaddddefault
1771 \else
1772 \ifx \@fps \@empty
1773 \@fpsaddddefault
1774 \fi
1775 \fi
1776 \ifhmode
1777 \@bsphack
1778 \@floatpenalty -\@Mii
1779 \else
1780 \@floatpenalty-\@Miii
1781 \fi
1782 \ifinner
1783 \@parmoderr\@floatpenalty\z@
1784 \else
1785 \@next\@currbox\@freelist
1786 {%
1787 \@tempcnta \sixt@@n
1788 \expandafter \@tfor \expandafter \reserved@a
1789 \expandafter :\expandafter =\@fps
1790 \do
1791 {%

```



```

1792         \if \reserved@a h%
1793             \ifodd \@tempcnta
1794             \else
1795                 \advance \@tempcnta \@ne
1796             \fi
1797         \fi
1798         \if \reserved@a %
1799             \ifodd \@tempcnta
1800             \else
1801                 \advance \@tempcnta \@ne
1802             \fi
1803         \fi
1804         \if \reserved@a t%
1805             \@setfpsbit \tw@
1806         \fi
1807         \if \reserved@a %
1808             \@setfpsbit \tw@
1809         \fi
1810         \if \reserved@a b%
1811             \@setfpsbit 4%
1812         \fi
1813         \if \reserved@a %
1814             \@setfpsbit 4%
1815         \fi
1816         \if \reserved@a p%
1817             \@setfpsbit 8%
1818         \fi
1819         \if \reserved@a %
1820             \@setfpsbit 8%
1821         \fi
1822         \if \reserved@a !%
1823             \ifnum \@tempcnta>15
1824                 \advance\@tempcnta -\sixt@@n\relax
1825             \fi
1826         \fi
1827     }%
1828     \@tempcntb \csname ftype@\@capytype \endcsname
1829     \multiply \@tempcntb \@xxxii
1830     \advance \@tempcnta \@tempcntb
1831     \global \count\@currbox \@tempcnta
1832 }%
1833 \@fltovf
1834 \fi
1835 \global \setbox\@currbox
1836 \color@vbox
1837 \normalcolor
1838 \vbox \bgroup
1839 \hsize\columnwidth
1840 \@parboxrestore
1841 \@floatboxreset
1842 }
1843 \let\bm@ \bm@c
1844 \let\bm@ \bm@l
1845 \let\bm@ \bm@r

```



```

1846 \let\bm@ \bm@b
1847 \let\bm@ \bm@t
1848 \let\bm@ \bm@s
1849 \long\def\@iiiparbox#1#2[#3]#4#5{%
1850 \leavevmode
1851 \@pboxswfalse
1852 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1853 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1854 \setlength\@tempdima{#4}%
1855 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1856 \ifx\relax#2\else
1857 \setlength\@tempdimb{#2}%
1858 \edef\@parboxto{to\the\@tempdimb}%
1859 \fi
1860 \if#1b\vbox
1861 \else\if#1 \vbox
1862 \else\if #1t\vtop
1863 \else\if vtop\ #1
1864 \else\ifmode\vcenter
1865 \else\@pboxswtrue $\vcenter
1866 \fi\fi\fi\fi\fi
1867 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1868 \csname bm@#3\endcsname}%
1869 \if@pboxsw \m@th$\fi
1870 \@end@tempboxa}
1871 \def\@iiiminipage#1#2[#3]#4{%
1872 \leavevmode
1873 \@pboxswfalse
1874 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1875 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1876 \setlength\@tempdima{#4}%
1877 \def\@mpargs{#{1}#{2}[#3]#{4}}%
1878 \setbox\@tempboxa\vbox\bgroup
1879 \color@begin@group
1880 \hsize\@tempdima
1881 \textwidth\hsize \columnwidth\hsize
1882 \@parboxrestore
1883 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1884 \let\@footnotetext\@mpfootnotetext
1885 \let\@LTRfootnotetext\@mpLTRfootnotetext
1886 \let\@RTLfootnotetext\@mpRTLfootnotetext
1887 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1888 \@minipagerestore
1889 \@setminipage}
1890 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1891 \ifnum \@lastchclass=3 5 \else
1892 \z@ \if #1c\@chnum \z@ \else
1893 \if chnum@ \ #1 \z@ \else
1894 \if \ifRTLtab#1r\else#1l\fi\@chnum \@ne \else
1895 \if \ifRTLtab#1 \else#1 \fi\@chnum \@ne \else
1896 \if \ifRTLtab#1l\else#1r\fi\@chnum \tw@ \else
1897 \if \ifRTLtab#1 \else#1 \fi\@chnum \tw@ \else
1898 \@chclass \if #1\@ne \else
1899 \if #1@\tw@ \else

```




```

1900             \if #1p3 \else
1901             \if 3 #1 \else \z@ \@preamerr 0\fi
1902 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1903 \fi}%
1904 }
1905 \ApplyPatchCodeToFile{array-xetex-bidi}{%
1906 \def\@testpach{\@chclass
1907 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1908 \ifnum \@lastchclass=7 5 \else
1909 \ifnum \@lastchclass=8 \tw@ \else
1910 \ifnum \@lastchclass=9 \thr@@
1911 \else \z@
1912 \ifnum \@lastchclass = 10 \else
1913 \edef\@nextchar{\expandafter\string\@nextchar}%
1914 \@chnum
1915 \if \@nextchar c\z@ \else
1916 \if \@nextchar @z\ \else
1917 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1918 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1919 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
1920 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
1921 \z@ \@chclass
1922 \if\@nextchar |\@ne \else
1923 \if \@nextchar !6 \else
1924 \if \@nextchar @7 \else
1925 \if \@nextchar <8 \else
1926 \if \@nextchar >9 \else
1927 10
1928 \@chnum
1929 \if \@nextchar m\thr@@\else
1930 \if \@nextchar thr@@\else\
1931 \if \@nextchar p4 \else
1932 \if \@nextchar 4 \else
1933 \if \@nextchar b5 \else
1934 \if \@nextchar 5 \else
1935 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi
1936 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi}%
1937 }
1938 \ApplyPatchCodeToFile{arydshln-xetex-bidi}{
1939 \ifadl@usingarypkg
1940 \def\@testpach{\@chclass
1941 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
1942 \ifnum \@lastchclass=7 5 \else
1943 \ifnum \@lastchclass=8 \tw@ \else
1944 \ifnum \@lastchclass=9 \thr@@
1945 \else \z@
1946 \ifnum \@lastchclass = 10 \else
1947 \edef\@nextchar{\expandafter\string\@nextchar}%
1948 \@chnum
1949 \if \@nextchar c\z@ \else
1950 \if \@nextchar @z\ \else
1951 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
1952 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
1953 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else

```



```

1954 \if \@nextchar \if@RTLtab else\ @fi\tw\ \else
1955 \z@ \@chclass
1956 \if \@nextchar |\@one \let\@arrayrule\adl@arrayrule \else
1957 \if \@nextchar :|\@one \let\@arrayrule\adl@arraydashrule \else
1958 \if \@nextchar ;|\@one \let\@arrayrule\adl@argarraydashrule \else
1959 \if \@nextchar !6 \else
1960 \if \@nextchar @7 \else
1961 \if \@nextchar <8 \else
1962 \if \@nextchar >9 \else
1963 10
1964 \@chnum
1965 \if \@nextchar m\thr@@\else
1966 \if \@nextchar thr@@\else\
1967 \if \@nextchar p4 \else
1968 \if \@nextchar 4 \else
1969 \if \@nextchar b5 \else
1970 \if \@nextchar 5 \else
1971 \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1972 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1973
1974 \def\@classz{\@classx
1975 \@tempcnta \count@
1976 \prepnext@tok
1977 \@addtopreamble{\ifcase \@chnum
1978 \hfil
1979 \adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1980 \hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\hfil \or
1981 \hfil\hskip1sp\adl@putlrc{\d@llarbegin \insert@column \d@llarend}\or
1982 \setbox\adl@box\hbox \adl@startmbox{\@nextchar}\insert@column
1983 \adl@endmbox\or
1984 \setbox\adl@box\vtop \@startpbox{\@nextchar}\insert@column \@endpbox \or
1985 \setbox\adl@box\vbox \@startpbox{\@nextchar}\insert@column \@endpbox
1986 \fi}\prepnext@tok}
1987 \def\adl@class@start{4}
1988 \def\adl@class@iiiorvii{7}
1989
1990 \else
1991 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4\relax \else
1992 \ifnum \@lastchclass=\thr@@ 5\relax \else
1993 \z@ \if #1c\@chnum \z@ \else
1994 \if @chnum\z@\ #1 \else
1995 \if \if@RTLtab#1r\else#1l\fi\@chnum \@one \else
1996 \if \if@RTLtab#1 \else#1 \fi\@chnum \@one \else
1997 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1998 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1999 \@chclass
2000 \if #1|\@one \let\@arrayrule\adl@arrayrule \else
2001 \if #1:\@one \let\@arrayrule\adl@arraydashrule \else
2002 \if #1;\@one \let\@arrayrule\adl@argarraydashrule \else
2003 \if #1@\tw@ \else
2004 \if #1p\thr@@ \else
2005 \if @\thr\ #1 \else\z@ \@preamerr 0\fi
2006 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2007

```



```

2008 \def\@arrayclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2009 \or \or \@addamp \or
2010 \@acolampacol \or \@firstampfalse \@acol \fi
2011 \edef\@preamble{\@preamble
2012 \ifcase \@chnum
2013 \hfil\adl@putlrc{\$relax\@sharp$}\hfil
2014 \or \adl@putlrc{\$relax\@sharp$}\hfil
2015 \or \hfil\adl@putlrc{\$relax\@sharp$}\fi}}
2016 \def\@tabclassz{\ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2017 \or \or \@addamp \or
2018 \@acolampacol \or \@firstampfalse \@acol \fi
2019 \edef\@preamble{\@preamble
2020 \ifcase \@chnum
2021 \hfil\adl@putlrc{\@sharp\unskip}\hfil
2022 \or \adl@putlrc{\@sharp\unskip}\hfil
2023 \or \hfil\hskip\z@ \adl@putlrc{\@sharp\unskip}\fi}}
2024 \def\adl@class@start{6}
2025 \def\adl@class@iiiorvii{3}
2026 \fi
2027 }
2028 \ApplyPatchCodeToFile{tabulary-xetex-bidi}{%
2029 \def\@testpach{\@chclass
2030 \ifnum \@lastchclass=6 \@ne \@chnum \@ne \else
2031 \ifnum \@lastchclass=7 5 \else
2032 \ifnum \@lastchclass=8 \tw@ \else
2033 \ifnum \@lastchclass=9 \thr@@
2034 \else \z@
2035 \ifnum \@lastchclass = 10 \else
2036 \edef\@nextchar{\expandafter\string\@nextchar}%
2037 \@chnum
2038 \if \@nextchar c\z@ \else
2039 \if \@nextchar @z\ \else
2040 \if \@nextchar \if@RTLtab r\else l\fi\@ne \else
2041 \if \@nextchar \if@RTLtab else\ fi\@ne\ \else
2042 \if \@nextchar \if@RTLtab l\else r\fi\@tw@ \else
2043 \if \@nextchar \if@RTLtab else\ @fi\@tw\ \else
2044 \if \@nextchar C7 \else
2045 \if \@nextchar 7 \else
2046 \if \@nextchar L8 \else
2047 \if \@nextchar 8 \else
2048 \if \@nextchar R9 \else
2049 \if \@nextchar 9 \else
2050 \if \@nextchar J10 \else
2051 \if \@nextchar 10 \else
2052 \z@ \@chclass
2053 \if\@nextchar |\@ne \else
2054 \if \@nextchar !6 \else
2055 \if \@nextchar @7 \else
2056 \if \@nextchar <8 \else
2057 \if \@nextchar >9 \else
2058 10
2059 \@chnum
2060 \if \@nextchar m\thr@@\else
2061 \if \@nextchar thr@@\else\

```




```

2113     \let\NAT@mbox=\mbox
2114     \let\@cite\NAT@citenum
2115     \let\NAT@space\NAT@spacechar
2116     \let\NAT@super@kern\relax
2117     \fi
2118     \let\@citex\NAT@citexnum
2119     \let\@Latincitex\NAT@Latin@citexnum
2120     \let\@biblabel\NAT@biblabelnum
2121     \let\@bibsetup\NAT@bibsetupnum
2122     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2123     \def\natexlab##1{%
2124     \def\NAT@penalty{\penalty\@m}%
2125     \else
2126     \let\@cite\NAT@cite
2127     \let\@citex\NAT@citex
2128     \let\@Latincitex\NAT@Latin@citex
2129     \let\@biblabel\NAT@biblabel
2130     \let\@bibsetup\NAT@bibsetup
2131     \let\NAT@space\NAT@spacechar
2132     \let\NAT@penalty\@empty
2133     \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2134     \def\natexlab##1{##1}%
2135     \fi}
2136 \newcommand\NAT@Latin@citex{}
2137 \def\NAT@Latin@citex%
2138   [#1] [#2] #3{%
2139   \NAT@reset@parser
2140   \NAT@sort@cites{#3}%
2141   \NAT@reset@citea
2142   \cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2143   \@for\@citeb:=\NAT@cite@list\do
2144   {\@safe@activestru
2145   \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}%
2146   \@safe@activesfalse
2147   \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2148   {\reset@font\bfseries ?}\NAT@citeundefined
2149   \PackageWarning{natbib}%
2150   {Citation ``\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2151   {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2152   \NAT@parse{\@citeb}%
2153   \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2154   \let\NAT@name=\NAT@all@names
2155   \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2156   \fi
2157   \ifNAT@full\let\NAT@nm\NAT@all@names\else
2158   \let\NAT@nm\NAT@name\fi
2159   \ifNAT@swa\ifcase\NAT@cotype
2160   \if\relax\NAT@date\relax
2161   \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2162   \else
2163   \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2164   \ifx\NAT@last@yr\NAT@year
2165   \def\NAT@temp{?}%
2166   \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%

```



```

2167         {Multiple citation on page \thepage: same authors and
2168         year\MessageBreak without distinguishing extra
2169         letter,\MessageBreak appears as question mark}\fi
2170         \NAT@hyper@{\NAT@exlab}%
2171     \else\unskip\NAT@spacechar
2172     \NAT@hyper@{\NAT@date}%
2173     \fi
2174 \else
2175     \@citea\NAT@hyper@{%
2176     \NAT@nmfmt{\NAT@nm}%
2177     \hyper@natlinkbreak{%
2178     \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2179     }%
2180     \NAT@date
2181     }%
2182     \fi
2183 \fi
2184 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2185 \or\@citea\NAT@hyper@{\NAT@date}%
2186 \or\@citea\NAT@hyper@{\NAT@alias}%
2187 \fi \NAT@def@citea
2188 \else
2189     \ifcase\NAT@ctype
2190     \if\relax\NAT@date\relax
2191     \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2192     \else
2193     \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2194     \ifx\NAT@last@yr\NAT@year
2195     \def\NAT@temp{?}%
2196     \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2197     {Multiple citation on page \thepage: same authors and
2198     year\MessageBreak without distinguishing extra
2199     letter,\MessageBreak appears as question mark}\fi
2200     \NAT@hyper@{\NAT@exlab}%
2201     \else
2202     \unskip\NAT@spacechar
2203     \NAT@hyper@{\NAT@date}%
2204     \fi
2205     \else
2206     \@citea\NAT@hyper@{%
2207     \NAT@nmfmt{\NAT@nm}%
2208     \hyper@natlinkbreak{\NAT@spacechar\NAT@@open@if*#1*else#1\NAT@spacechar\fi}%
2209     {\@citeb\@extra@b@citeb}%
2210     \NAT@date
2211     }%
2212     \fi
2213 \fi
2214 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2215 \or\@citea\NAT@hyper@{\NAT@date}%
2216 \or\@citea\NAT@hyper@{\NAT@alias}%
2217 \fi
2218 \if\relax\NAT@date\relax
2219     \NAT@def@citea
2220 \else

```



```

2221     \NAT@def@citea@close
2222     \fi
2223     \fi
2224     }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2225     \if\relax\NAT@date\relax\else\NAT@close\fi\fi}}{#1}{#2}}
2226 \newcommand\NAT@Latin@citexnum{}
2227 \def\NAT@Latin@citexnum[#1][#2]#3{%
2228 \NAT@reset@parser
2229 \NAT@sort@cites{#3}%
2230 \NAT@reset@citea
2231 \cite{\lr{\def\NAT@num{-1}\let\NAT@last@yr\relax\let\NAT@nm\empty
2232 \@for\@citeb:=\NAT@cite@list\do
2233 {\@safe@activestru
2234 \edef\@citeb{\expandafter\@firstofone\@citeb\empty}}%
2235 \@safe@activestru
2236 \ifundefined{b@\@citeb\@extra@b@citeb}{%
2237 {\reset@font\bfseries?}
2238 \NAT@citeundefined\PackageWarning{natbib}%
2239 {Citation ``\@citeb' on page \thepage \space undefined}}%
2240 {\let\NAT@last@num\NAT@num\let\NAT@last@nm\NAT@nm
2241 \NAT@parse{\@citeb}%
2242 \ifNAT@longnames\ifundefined{bv@\@citeb\@extra@b@citeb}{%
2243 \let\NAT@name=\NAT@all@names
2244 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}}{%
2245 \fi
2246 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2247 \let\NAT@nm\NAT@name\fi
2248 \ifNAT@swa
2249 \@ifnum{\NAT@ctype>\@ne}{%
2250 \@citea
2251 \NAT@hyper@{\@ifnum{\NAT@ctype=\tw@}{\NAT@test{\NAT@ctype}}{\NAT@alias}}%
2252 }{%
2253 \@ifnum{\NAT@cmprs>\z@}{%
2254 \NAT@ifcat@num\NAT@num
2255 {\let\NAT@nm=\NAT@num}%
2256 {\def\NAT@nm{-2}}%
2257 \NAT@ifcat@num\NAT@last@num
2258 {\@tempcnta=\NAT@last@num\relax}%
2259 {\@tempcnta\m@ne}%
2260 \@ifnum{\NAT@nm=\@tempcnta}{%
2261 \@ifnum{\NAT@merge>\@ne}{\NAT@last@yr@mb@x}%
2262 }{%
2263 \advance\@tempcnta by\@ne
2264 \@ifnum{\NAT@nm=\@tempcnta}{%
2265 \ifx\NAT@last@yr\relax
2266 \def\NAT@last@yr{\@citea}%
2267 \else
2268 \def\NAT@last@yr{--\NAT@penalty}%
2269 \fi
2270 }{%
2271 \NAT@last@yr@mb@x
2272 }%
2273 }%
2274 }%

```



```

2275         \@tempswatruue
2276         \@ifnum{\NAT@merge>\@ne}{\@ifnum{\NAT@last@num=\NAT@num\relax}{\@tempswafalse}{}}{}%
2277         \if@tempswa\NAT@citea@mbbox\fi
2278     }%
2279 }%
2280 \NAT@def@citea
2281 \else
2282 \ifcase\NAT@ctype
2283 \ifx\NAT@last@nm\NAT@nm \NAT@yrsep\NAT@penalty\NAT@space\else
2284 \citea \NAT@test{\@ne}\NAT@spacechar\NAT@mbbox{\NAT@super@kern\NAT@@open}%
2285 \fi
2286 \if*#1*\else#1\NAT@spacechar\fi
2287 \NAT@mbbox{\NAT@hyper@{\@citenumfont{\NAT@num}}}%
2288 \NAT@def@citea@box
2289 \or
2290 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2291 \or
2292 \NAT@hyper@citea@space{\NAT@test{\NAT@ctype}}%
2293 \or
2294 \NAT@hyper@citea@space\NAT@alias
2295 \fi
2296 \fi
2297 }%
2298 }%
2299 \@ifnum{\NAT@cmprs>\z@}{\NAT@last@yr}{}%
2300 \ifNAT@swa\else
2301 \ifnum{\NAT@ctype=\z@}{%
2302 \if*#2*\else\NAT@cmt#2\fi
2303 }{}%
2304 \NAT@mbbox{\NAT@@close}%
2305 \fi
2306 }{#1}{#2}%
2307 }%
2308 \AtBeginDocument{\NAT@set@cites}
2309 \DeclareRobustCommand\Latincite
2310 {\begingroup\let\NAT@ctype\z@\NAT@partrue\NAT@swatruue
2311 \ifstar{\NAT@fulltrue\NAT@Latin@cites}{\NAT@fullfalse\NAT@Latin@cites}}
2312 \newcommand\NAT@Latin@cites{\ifnextchar [{\NAT@Latin@citetp}{%
2313 \ifNAT@numbers\else
2314 \NAT@swafalse
2315 \fi
2316 \NAT@@Latin@citetp[]}}
2317 \newcommand\NAT@@Latin@citetp{
2318 \def\NAT@@Latin@citetp[#1]{\ifnextchar [{\@Latincitex[#1]}{\@Latincitex[] [#1]}}

```

45 File packages-localize-xetex-xepersian.def

```

2319 packages} \-localize-xetex-xepersian.def}[2025/01/03 v0.3 localizing LaTeX2e Packages
2320 color} \}{color} @\-localize-xetex-xepersian.def}}{}
2321 \ApplyPatchCodeToPackage{multicol}{%
2322 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2323 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2324 }
2325 \ApplyPatchCodeToPackage{verbatim}{%

```




```

2326 \begingroup
2327 \vrb@catcodes
2328 \lccode`!=`\\ \lccode`\[=`{\ \lccode`=``}
2329 \catcode`\-=`active \lccode`\-=`\^M
2330 \lccode`\C=`C
2331 \lowercase{\endgroup
2332 \def\xepersian@localize@verbatim@start#1{%
2333 \verbatim@startline
2334 \if\noexpand#1\noexpand~%
2335 \let\next\xepersian@localize@verbatim@
2336 \else \def\next{\xepersian@localize@verbatim@#1}\fi
2337 \next}%
2338 \def\xepersian@localize@verbatim@#1~{\xepersian@localize@verbatim@@#1! \@nil}%
2339 \def\xepersian@localize@verbatim@@#1! {%
2340 \verbatim@addtoline{#1}%
2341 \futurelet\next\xepersian@localize@verbatim@@@}%
2342 \def\xepersian@localize@verbatim@@@#1\@nil{%
2343 \ifx\next\@nil
2344 \verbatim@processline
2345 \verbatim@startline
2346 \let\next\xepersian@localize@verbatim@
2347 \else
2348 \def\@tempa##1! \@nil{##1}%
2349 \@temptokena{! }%
2350 \def\next{\expandafter\xepersian@localize@verbatim@test\@tempa#1\@nil~}%
2351 \fi \next}%
2352 \def\xepersian@localize@verbatim@test#1{%
2353 \let\next\xepersian@localize@verbatim@test
2354 \if\noexpand#1\noexpand~%
2355 \expandafter\verbatim@addtoline
2356 \expandafter{\the\@temptokena}%
2357 \verbatim@processline
2358 \verbatim@startline
2359 \let\next\xepersian@localize@verbatim@
2360 \else \if\noexpand#1
2361 \@temptokena\expandafter{\the\@temptokena#1}%
2362 \else \if\noexpand#1\noexpand[%
2363 \let\@tempc\@empty
2364 \let\next\xepersian@localize@verbatim@testend
2365 \else
2366 \expandafter\verbatim@addtoline
2367 \expandafter{\the\@temptokena}%
2368 \def\next{\xepersian@localize@verbatim@#1}%
2369 \fi\fi\fi
2370 \next}%
2371 \def\xepersian@localize@verbatim@testend#1{%
2372 \if\noexpand#1\noexpand~%
2373 \expandafter\verbatim@addtoline
2374 \expandafter{\the\@temptokena[]}%
2375 \expandafter\verbatim@addtoline
2376 \expandafter{\@tempc}%
2377 \verbatim@processline
2378 \verbatim@startline
2379 \let\next\xepersian@localize@verbatim@

```



```

2380     \else\if\noexpand#1\noexpand]%
2381     \let\next\xepersian@localize@verbatim@@testend
2382     \else\if\noexpand#1\noexpand!%
2383     \expandafter\verbatim@addtoline
2384     \expandafter{\the\temptokena[]}%
2385     \expandafter\verbatim@addtoline
2386     \expandafter{\@tempc}%
2387     \def\next{\xepersian@localize@verbatim@!}%
2388     \else \expandafter\def\expandafter\@tempc\expandafter
2389     {\@tempc#1}\fi\fi\fi
2390     \next}%
2391 \def\xepersian@localize@verbatim@@testend{%
2392 \ifx\@tempc\@currenvir
2393 \verbatim@finish
2394 \edef\next{\noexpand\end{\@currenvir}%
2395 \noexpand\xepersian@localize@verbatim@rescan{\@currenvir}}}%
2396 \else
2397 \expandafter\verbatim@addtoline
2398 \expandafter{\the\temptokena[]}%
2399 \expandafter\verbatim@addtoline
2400 \expandafter{\@tempc[]}%
2401 \let\next\xepersian@localize@verbatim@
2402 \fi
2403 \next}%
2404 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2405 \warning{Characters dropped after `~\string\end{#1}'}\fi}}%
2406 \def\
2407     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2408     \xepersian@localize@verbatim@start}
2409 \namedef{
2410     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2411 \def\end
2412     {\endtrivlist\endgroup\@doendpe}
2413 \expandafter\let\csname end
2414     *\endcsname =\end
2415 }
2416 \ExplSyntaxOn
2417 \AtBeginDocument{
2418 \xepersian_localize_patch_verbatim:
2419 }
2420 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2421 \ApplyPatchCodeToPackage{verbatim}{
2422 \cs_set:cpn {*
2423 } }
2424 \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@
2425 }
2426 }
2427 \ExplSyntaxOff
2428 \ApplyPatchCodeToPackage{graphicx}{%
2429 \def\Gin@boolkey#1#2{%
2430 \expandafter\ifdefinable \csname Gin@#2 \endcsname{%
2431 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2432 \expandafter\ifdefinable \csname Gin@#2 \endcsname{%
2433 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2434 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2435 \define@key{Grot}{origin}[c]{%
2436 \tfor\@tempa:=#1\do{%
2437 \if l\@tempa \Grot@x\z@\else

```



```

2434 \if tempa@ \Grot@x\z\else
2435 \if r@tempa \Grot@x\width\else
2436 \if tempa@ \Grot@x\width\else
2437 \if t@tempa \Grot@y\height\else
2438 \if tempa@ \Grot@y\height\else
2439 \if b@tempa \Grot@y-\depth\else
2440 \if tempa@ \Grot@y-\depth\else
2441 \if B@tempa \Grot@y\z\else
2442 \if tempa@ \Grot@y\z\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi\fi}
2443 {draft}{ }{Gin} @ \
2444 {origin}{ }{Gin} @ \
2445 {origin}{ }{Grot} @ \
2446 {clip}{ }{Gin} @ \
2447 {keepaspectratio}{ }{Gin} @ \
2448 {natwidth}{ }{Gin} @ \
2449 {natheight}{ }{Gin} @ \
2450 {bb}{ }{Gin} @ \
2451 {viewport}{ }{Gin} @ \
2452 {trim}{ }{Gin} @ \
2453 {angle}{ }{Gin} @ \
2454 {width}{ }{Gin} @ \
2455 {height}{ }{Gin} @ \
2456 {totalheight}{ }{Gin} @ \
2457 {scale}{ }{Gin} @ \
2458 {type}{ }{Gin} @ \
2459 {ext}{ }{Gin} @ \
2460 {read}{ }{Gin} @ \
2461 {command}{ }{Gin} @ \
2462 {x}{ }{Grot} @ \
2463 {y}{ }{Grot} @ \
2464 {units}{ }{Grot} @ \
2465 }

```

46 File url-xetex-xepersian.def

```

2466 \ProvidesFile{url-xetex-xepersian.def}[2022/02/18 v0.1 xepersian adaptations for url package
2467 \begingroup
2468 \lccode`+=`%\ \lccode`~`~`%\
2469 \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}}%
2470 \ifnum\Umathcodenum`%<32768 \def~{\%}\fi}}%
2471 \endgroup%

```

47 File persian-tex-text.map

```

2472 LHSName "persian-TeX-text"
2473 RHSName "Unicode"
2474
2475 pass(Unicode)
2476 U+0030 <> U+06F0 ;
2477 U+0031 <> U+06F1 ;
2478 U+0032 <> U+06F2 ;
2479 U+0033 <> U+06F3 ;
2480 U+0034 <> U+06F4 ;
2481 U+0035 <> U+06F5 ;

```



```

2482 U+0036 <> U+06F6 ;
2483 U+0037 <> U+06F7 ;
2484 U+0038 <> U+06F8 ;
2485 U+0039 <> U+06F9 ;
2486
2487
2488 U+002C <> U+060C ; comma > arabic comma
2489 U+003F <> U+061F ; question mark -> arabic qm
2490 U+003B <> U+061B ; semicolon -> arabic semicolon
2491
2492 ; ligatures from Knuth's original CMR fonts
2493 U+002D U+002D <> U+2013 ; -- -> en dash
2494 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2495
2496 U+0027 <> U+2019 ; ' -> right single quote
2497 U+0027 U+0027 <> U+201D ; '' -> right double quote
2498 U+0022 > U+201D ; " -> right double quote
2499
2500 U+0060 <> U+2018 ; ` -> left single quote
2501 U+0060 U+0060 <> U+201C ; `` -> left double quote
2502
2503 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2504 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2505
2506 ; additions supported in T1 encoding
2507 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2508 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2509 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

48 File persian-tex-text-nonnumbers.map

```

2510 LHSName "persian-TeX-text-nonnumbers"
2511 RHSName "Unicode"
2512
2513 pass(Unicode)
2514 U+002C <> U+060C ; comma > arabic comma
2515 U+003F <> U+061F ; question mark -> arabic qm
2516 U+003B <> U+061B ; semicolon -> arabic semicolon
2517
2518 ; ligatures from Knuth's original CMR fonts
2519 U+002D U+002D <> U+2013 ; -- -> en dash
2520 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2521
2522 U+0027 <> U+2019 ; ' -> right single quote
2523 U+0027 U+0027 <> U+201D ; '' -> right double quote
2524 U+0022 > U+201D ; " -> right double quote
2525
2526 U+0060 <> U+2018 ; ` -> left single quote
2527 U+0060 U+0060 <> U+201C ; `` -> left double quote
2528
2529 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2530 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2531
2532 ; additions supported in T1 encoding

```



```

2533 U+002C U+002C <> U+201E ; , , -> DOUBLE LOW-9 QUOTATION MARK
2534 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2535 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

49 File rapport1-xetex-xepersian.def

```

2536 \ProvidesFile{rapport1-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for rapport
2537 \renewcommand*\thepart{\@tartibi\c@part}
2538 \renewcommand*\appendix{\par
2539 \setcounter{chapter}{0}%
2540 \setcounter{section}{0}%
2541 \gdef\@chapapp{\appendixname}%
2542 \gdef\thechapter{\@harfi\c@chapter}}

```

50 File rapport3-xetex-xepersian.def

```

2543 \ProvidesFile{rapport3-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for rapport
2544 \renewcommand*\thepart{\@tartibi\c@part}
2545 \renewcommand*\appendix{\par
2546 \setcounter{chapter}{0}%
2547 \setcounter{section}{0}%
2548 \gdef\@chapapp{\appendixname}%
2549 \gdef\thechapter{\@harfi\c@chapter}}

```

51 File refrep-xetex-xepersian.def

```

2550 \ProvidesFile{refrep-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for refrep
2551 \renewcommand \thepart {\@tartibi\c@part}
2552 \renewcommand\appendix{\par
2553 \setcounter{chapter}{0}%
2554 \setcounter{section}{0}%
2555 \gdef\@chapapp{\appendixname}%
2556 \gdef\thechapter{\@harfi\c@chapter}
2557 }%end appendix

```

52 File report-xetex-xepersian.def

```

2558 \ProvidesFile{report-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for report
2559 \renewcommand \thepart {\@tartibi\c@part}
2560 \renewcommand\appendix{\par
2561 \setcounter{chapter}{0}%
2562 \setcounter{section}{0}%
2563 \gdef\@chapapp{\appendixname}%
2564 \gdef\thechapter{\@harfi\c@chapter}
2565 }%end appendix

```

53 File scartcl-xetex-xepersian.def

```

2566 \ProvidesFile{scartcl-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scart
2567 \renewcommand*{\thepart}{\@tartibi\c@part}
2568 \renewcommand*\appendix{%
2569 \Ifstr{\@currenvir}{appendix}{%
2570 \ClassWarning{\KOMAClassName}{%
2571 You are using

```



```

2572     \string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2573     You should note, that \string\appendix' is a mostly
2574     globally\MessageBreak
2575     working command not an enviroment with only local\MessageBreak
2576     effects. Therefore \string\end{appendix}' will neither\MessageBreak
2577     switch back to normal section numbering nor finish\MessageBreak
2578     every other effect of \string\begin{appendix}'.\MessageBreak
2579     Nevertheless, some effects may end with\MessageBreak
2580     \string\end{appendix}' and the document may become\MessageBreak
2581     inconsistent.\MessageBreak
2582     Because of this, you should remove \string\end{appendix}'.\MessageBreak
2583     and replace \string\begin{appendix}' by command\MessageBreak
2584     \string\appendix'%
2585     }%
2586 }{}%
2587 \par
2588 \setcounter{section}{0}%
2589 \setcounter{subsection}{0}%
2590 \gdef\thesection{\@harfi\c@section}%
2591 }
2592 \IfLTXAtLeastTF{2020/10/01}{%
2593 \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2594 }{}
2595 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2596 \renewcommand*{\@@maybeautodot}[1]{%
2597 \ifx #1\@stop\let\@@maybeautodot\relax
2598 \else
2599 \ifx #1\harfi \@autodottrue\fi
2600 \ifx #1\adadi \@autodottrue\fi
2601 \ifx #1\tartibi \@autodottrue\fi
2602 \ifx #1\Alph \@autodottrue\fi
2603 \ifx #1\alph \@autodottrue\fi
2604 \ifx #1\Roman \@autodottrue\fi
2605 \ifx #1\roman \@autodottrue\fi
2606 \ifx #1\@harfi \@autodottrue\fi
2607 \ifx #1\@adadi \@autodottrue\fi
2608 \ifx #1\@tartibi \@autodottrue\fi
2609 \ifx #1\@Alph \@autodottrue\fi
2610 \ifx #1\@alph \@autodottrue\fi
2611 \ifx #1\@Roman \@autodottrue\fi
2612 \ifx #1\@roman \@autodottrue\fi
2613 \ifx #1\romannumeral \@autodottrue\fi
2614 \fi
2615 \@@maybeautodot
2616 }

```

54 File scrbook-xetex-xepersian.def

```

2617 \ProvidesFile{scrbook-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrbook
2618 \renewcommand*\frontmatter{%
2619 \if@twoside\cleardoubleoddpag\else\clearpage\fi
2620 \@mainmatterfalse\pagenumbering{\harfi}%
2621 }
2622 \renewcommand*{\thepart}{\@tartibi\c@part}

```



```

2623 \renewcommand*\appendix{%
2624   \Ifstr{\@currenvir}{appendix}{%
2625     \ClassWarning{\KOMAClassName}{%
2626       You are using
2627       `\

```

55 File `scrreprt-xetex-xepersian.def`

```

2673 \ProvidesFile{scrreprt-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrreprt

```



```

2674 \renewcommand*{\thepart}{\@tartibi\c@part}
2675 \renewcommand*\appendix{%
2676   \Ifstr{\@currenvir}{appendix}{%
2677     \ClassWarning{\KOMAClassName}{%
2678       You are using
2679       `\'string\begin{appendix}...\'string\end{appendix}'.\MessageBreak
2680       You should note, that `\'string\appendix' is a mostly
2681       globally\MessageBreak
2682       working command not an enviroment with only local\MessageBreak
2683       effects. Therefore `\'string\end{appendix}' will neither\MessageBreak
2684       switch back to normal section numbering nor finish\MessageBreak
2685       every other effect of `\'string\begin{appendix}'.\MessageBreak
2686       Nevertheless, some effects may end with\MessageBreak
2687       `\'string\end{appendix}' and the document may become\MessageBreak
2688       inconsistent.\MessageBreak
2689       Because of this, you should remove `\'string\end{appendix}'\MessageBreak
2690       and replace `\'string\begin{appendix}' by command\MessageBreak
2691       `\'string\appendix'%
2692     }%
2693   }{}%
2694   \par
2695   \setcounter{chapter}{0}%
2696   \setcounter{section}{0}%
2697   \gdef\@chapapp{\appendixname}%
2698   \gdef\thechapter{\@harfi\c@chapter}%
2699 }
2700 \IfLTxAtLeastTF{2020/10/01}{%
2701   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2702 }{}
2703 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2704 \renewcommand*{\@maybeautodot}[1]{%
2705   \ifx #1\@stop\let\@maybeautodot\relax
2706   \else
2707     \ifx #1\harfi \@autodottrue\fi
2708     \ifx #1\adadi \@autodottrue\fi
2709     \ifx #1\tartibi \@autodottrue\fi
2710     \ifx #1\Alph \@autodottrue\fi
2711     \ifx #1\alph \@autodottrue\fi
2712     \ifx #1\Roman \@autodottrue\fi
2713     \ifx #1\roman \@autodottrue\fi
2714     \ifx #1\@harfi \@autodottrue\fi
2715     \ifx #1\@adadi \@autodottrue\fi
2716     \ifx #1\@tartibi \@autodottrue\fi
2717     \ifx #1\@Alph \@autodottrue\fi
2718     \ifx #1\@alph \@autodottrue\fi
2719     \ifx #1\@Roman \@autodottrue\fi
2720     \ifx #1\@roman \@autodottrue\fi
2721     \ifx #1\romannumeral \@autodottrue\fi
2722   \fi
2723   \@maybeautodot
2724 }

```

56 File soul-xetex-xepersian.def




```

2725 \ProvidesFile{soul-xetex-xepersian.def}[2018/12/12 v0.2 xepersian adaptations for soul package]
2726 \let\SOUL@tt@latin\SOUL@tt
2727 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2728 \def\SOUL@tt{%
2729   \if@nonlatin
2730     \SOUL@tt@nonlatin
2731   \else
2732     \SOUL@tt@latin
2733   \fi
2734 }
2735 \bidi@appto\resetlatinfont{%
2736   \setbox\z@\hbox{\SOUL@tt-}%
2737   \SOUL@ttwidth\wd\z@
2738 }
2739 \bidi@appto\setpersianfont{%
2740   \setbox\z@\hbox{\SOUL@tt-}%
2741   \SOUL@ttwidth\wd\z@
2742 }

```

57 File tkz-linknodes-xetex-xepersian.def

```

2743 \ProvidesFile{tkz-linknodes-xetex-xepersian.def}[2012/06/13 v0.1 xepersian adaptations for tkz-linknodes]
2744 \renewcommand*{\@SetTab}{%
2745   \let\@alph\@linalph%
2746   \ifnum \value{C@NumTab}>25\relax%
2747     \setcounter{C@NumTab}{1}%
2748   \else%
2749     \stepcounter{C@NumTab}%
2750   \fi%
2751   \setcounter{C@NumGroup}{0}%
2752   \newcommand*\PrefixCurrentTab{\alph{C@NumTab}}
2753   \setboolean{B@FirstLink}{true}
2754   \setboolean{B@NewGroup}{false}
2755   \setcounter{C@NumGroup}{0}
2756   \setcounter{C@CurrentGroup}{0}
2757   \setcounter{NumC@Node}{0}
2758   \setcounter{NumC@Stop}{0}
2759   \setcounter{C@NextNode}{0}
2760   \setcounter{C@CurrentStop}{0}
2761   \setcounter{C@CurrentNode}{0}
2762 }%

```

58 File tocloft-xetex-xepersian.def

```

2763 \ProvidesFile{tocloft-xetex-xepersian.def}[2025/01/03 v0.2 xepersian adaptations for tocloft]
2764 \IfClassLoadedT{memoir}{\endinput}
2765 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2766 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2767 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2768 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2769 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2770 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2771 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2772 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}

```



```

2773 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2774 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

59 File varioref-xetex-xepersian.def

```

2775 \ProvidesFile{varioref-xetex-xepersian.def}[2018/09/29 v0.1 xepersian adaptations for varioref]
2776 \def\reftextfaceafter{%
2777   \if@RTL
2778
2779 \reftextvario{ }{ }%
2780 \else
2781   on the \reftextvario{facing}{next} page%
2782 \fi
2783 }
2784 \def\reftextfacebefore{%
2785   \if@RTL
2786
2787 \reftextvario{ }{ }%
2788 \else
2789   on the \reftextvario{facing}{preceding} page%
2790 \fi
2791 }
2792 \def\reftextafter{%
2793   \if@RTL
2794
2795 \reftextvario{ }{ }%
2796 \else
2797   on the \reftextvario{following}{next} page%
2798 \fi
2799 }
2800 \def\reftextbefore{%
2801   \if@RTL
2802
2803 \reftextvario{ }{ }%
2804 \else
2805   on the \reftextvario{preceding}{previous} page%
2806 \fi
2807 }
2808 \def\reftextcurrent{%
2809   \if@RTL
2810
2811 \reftextvario{ }{ }%
2812 \else
2813   on \reftextvario{this}{the current} page%
2814 \fi
2815 }
2816 \def\reftextfaraway#1{%
2817   \if@RTL
2818     %
2819 ~\pageref{#1}%
2820 \else
2821   on page-\pageref{#1}%
2822 \fi
2823 }

```



```

2824 \def\reftextpagerange#1#2{%
2825   \if@RTL
2826   %
2827 ~\pageref{#1}--\pageref{#2}%
2828   \else
2829   on pages~\pageref{#1}--\pageref{#2}%
2830   \fi
2831 }
2832 \def\reftextlabelrange#1#2{%
2833   \if@RTL
2834   \ref{#1} %ref{#2}\~
2835   \else
2836   \ref{#1} to~\ref{#2}%
2837   \fi
2838 }

```

60 File xepersian.sty

```

2839 \NeedsTeXFormat{LaTeX2e}
2840 \def\xepersian@version{25.9}
2841 \def\xepersian@date{2025/01/03}
2842 \def\xepersian@releasename{Persian Gate}
2843 \def\xepersian@persian@@releasename{  {
2844 \newcommand*\xepersianreleasename}{\if@RTL\xepersian@persian@@releasename\else\xepersian@releasename}
2845 \ProvidesPackage{xepersian}[\xepersian@date\space v\xepersian@version\space (Release \xepersian@releasename)]
2846 Persian typesetting in XeLaTeX]
2847 \newif\if@xepersian@banner
2848 \newif\if@xepersian@computeautoilg
2849 \DeclareUnknownKeyHandler{%
2850   \PassOptionsToPackage{\CurrentOption}{bidi}%
2851 }
2852 \ExplSyntaxOn
2853 \keys_define:nn { xepersian }
2854 {
2855   banner .choice: ,
2856   banner / on .code:n =
2857     \@xepersian@bannertrue
2858     \PassOptionsToPackage{banner=on}{bidi} ,
2859   banner / off .code:n =
2860     \@xepersian@bannerfalse
2861     \PassOptionsToPackage{banner=off}{bidi} ,
2862   banner .default:n = on
2863 }
2864 \keys_define:nn { xepersian }
2865 {
2866   mathdigits .choice: ,
2867   mathdigits / automatic .code:n = \AtEndOfPackage{\AutoMathDigits} ,
2868   mathdigits / default .code:n = \AtEndOfPackage{\DefaultMathDigits} ,
2869   mathdigits / persian .code:n = \AtEndOfPackage{\PersianMathDigits}
2870 }
2871 \keys_define:nn { xepersian }
2872 {
2873   inlinemathdigits .choice: ,
2874   inlinemathdigits / automatic .code:n = \AtEndOfPackage{\AutoInlineMathDigits} ,

```



```

2875     inlinemathdigits / default .code:n = \AtEndOfPackage{\DefaultInlineMathDigits} ,
2876     inlinemathdigits / persian .code:n = \AtEndOfPackage{\PersianInlineMathDigits}
2877   }
2878 \keys_define:nm { xepersian }
2879   {
2880     displaymathdigits .choice: ,
2881     displaymathdigits / automatic .code:n = \AtEndOfPackage{\AutoDisplayMathDigits} ,
2882     displaymathdigits / default .code:n = \AtEndOfPackage{\DefaultDisplayMathDigits} ,
2883     displaymathdigits / persian .code:n = \AtEndOfPackage{\PersianDisplayMathDigits}
2884   }
2885 \keys_define:nm { xepersian }
2886   {
2887     Kashida .choice: ,
2888     Kashida / on .code:n = \AtEndOfPackage{\input{kashida-xetex-xepersian.def}} ,
2889     Kashida / off .code:n = \relax ,
2890     Kashida .default:n = on
2891   }
2892 \keys_define:nm { xepersian }
2893   {
2894     localize .choice: ,
2895     localize / on .code:n = \AtEndOfPackage{\input{localize-xetex-xepersian.def}} ,
2896     localize / off .code:n = \relax ,
2897     localize .default:n = on
2898   }
2899 \cs_new_protected:Npn \__xepersian_quickindex_variant:n #1
2900 {
2901   \AtEndOfPackage{%
2902     \ifwritexviii
2903       \@ifclassloaded{memoir}{%
2904         \PackageError{xepersian}{%
2905           This-feature-does-not-yet-work-with-the-memoir-class}{%
2906         }{%
2907           \renewcommand\printindex{\newpage%
2908             \immediate\closeout\@indexfile
2909             \immediate\write18{%
2910               xindy~L~persian-variant#1~C~utf8~M~texindy~M~page-ranges~\jobname.idx}
2911             \input@{\jobname.ind}}%
2912           }
2913       \else
2914         \PackageError{xepersian}{%
2915           "shell-escape"~(or~"write18")~is~not~enabled.~You~need~to~run~"xelatex---shell-escape"
2916         }%
2917       \fi
2918   }
2919 \keys_define:nm { xepersian }
2920   {
2921     quickindex-variant .choice: ,
2922     quickindex-variant / one .code:n = \__xepersian_quickindex_variant:n { 1 } ,
2923     quickindex-variant / two .code:n = \__xepersian_quickindex_variant:n { 2 } ,
2924     quickindex-variant / three .code:n = \__xepersian_quickindex_variant:n { 3 }
2925   }
2926 \keys_define:nm { xepersian }
2927   {
2928     abjad-variant .choice: ,

```



```

2929 abjad-variant / one .code:n =
2930     \def\PersianAlphs{%
2931         \let\@alph\@abjad
2932         \let\@Alph\@abjad
2933     } ,
2934 abjad-variant / two .code:n =
2935     \def\PersianAlphs{%
2936         \let\@alph\@Abjad
2937         \let\@Alph\@Abjad
2938     }
2939 }
2940 \keys_define:nn { xepersian }
2941 {
2942     defaultlatinfontfeatures .code:n = \AtEndOfPackage{\defaultfontfeatures[\latinfont]{#1}}
2943 }
2944 \keys_define:nn { xepersian }
2945 {
2946     mathfontssize .code:n = \def\xepersian@@math@fontsize@scale{#1}
2947 }
2948 \keys_define:nn { xepersian }
2949 {
2950     fontssize .code:n = \def\xepersian@@fontsize@scale{#1}
2951 }
2952 \keys_define:nn { xepersian }
2953 {
2954     fontsize .code:n = \AtEndOfPackage{\xepersian@@fontsize@branch{#1}}
2955 }
2956 \keys_define:nn { xepersian }
2957 {
2958     latinfontssize .code:n = \def\xepersian@@latin@fontsize@scale{#1}
2959 }
2960 \keys_define:nn { xepersian }
2961 {
2962     baselineskip .code:n = \def\xepersian@@baselineskip@scale{#1}
2963 }
2964 \keys_define:nn { xepersian }
2965 {
2966     latinbaselineskip .code:n = \def\xepersian@@latin@baselineskip@scale{#1}
2967 }
2968 \keys_define:nn { xepersian }
2969 {
2970     computeautoilg .choice: ,
2971     computeautoilg / on .code:n = \@xepersian@@computeautoilgtrue ,
2972     computeautoilg / off .code:n = \@xepersian@@computeautoilgfalse ,
2973     computeautoilg .default:n = on
2974 }
2975 \keys_define:nn { xepersian }
2976 {
2977     debugtextdigitfont .choice: ,
2978     debugtextdigitfont / on .code:n = \AtEndOfPackage{%
2979         \bidi@AtEndPreamble{%
2980             \bidi@patchcmd\xepersian@@start@switch@textdigitfont\xepersian@textdigitfont{%
2981                 \addfontfeature{Color=C71585}
2982             }-{}-{}

```



```

2983     }
2984   } ,
2985   debugtextdigitfont / off .code:n = \relax ,
2986   debugtextdigitfont .default:n = on
2987 }
2988 \keys_set:nn { xepersian }
2989 {
2990   banner = on ,
2991   abjad-variant = two ,
2992   fontsizescale = \@ne ,
2993   latinfontsizescale = \@ne ,
2994   mathfontsizescale = \@ne ,
2995   baselineskipscale = \@ne ,
2996   latinbaselineskipscale = \@ne
2997 }
2998 \ExplSyntaxOff
2999 \ProcessKeyOptions
3000 \edef\xepersian@info{*****^^J%
3001 * ^^J%
3002 * xepersian package (Persian for LaTeX, using XeTeX engine)^^J%
3003 * ^^J%
3004 * Description: The package supports Persian^^J%
3005 * typesetting, using fonts provided in the^^J%
3006 * distribution.^^J%
3007 * ^^J%
3008 * Copyright (c) 2008--2025 Vafa Khalighi^^J%
3009 * Copyright (c) 2018--2020 bidi-tex GitHub Organization^^J%
3010 * ^^J%
3011 * v\xepersian@version\space (Release \xepersian@releasename), \xepersian@date^^J%
3012 * ^^J%
3013 * License: LaTeX Project Public License, version^^J%
3014 * 1.3c or higher (your choice)^^J%
3015 * ^^J%
3016 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
3017 * ^^J%
3018 * Issue tracker: https://github.com/xepersian/xepersian/issues^^J%
3019 * ^^J%
3020 * Discussions: https://github.com/xepersian/xepersian/discussions^^J%
3021 * ^^J%
3022 * Primary author of xepersian package: Vafa Khalighi.^^J%
3023 * ^^J%
3024 *****}
3025 \edef\xepersian@everyjob{\the\everyjob}
3026 \if\xepersian@banner
3027   \typeout{\@xepersian@info}
3028   \everyjob{\xepersian@everyjob\typeout{\@xepersian@info}}
3029 \fi
3030 \RequirePackage{fontspec}
3031 \RequirePackage{xepersian-persiancal}
3032 \RequirePackage{xepersian-mathdigitsspec}
3033 \RequirePackage[%
3034   documentdirection=righttoleft,%
3035   tabledirection=righttoleft,%
3036   script=nonlatin,%

```



```

3037 footnotedirection=righttoleft,%
3038 footnoterule=automatic%
3039 ]{bidi}
3040 \newcommand*{\xepersianversion}
3041 {\ensuremath\xepersian@version}
3042 \newcommand*{\IfxepersianPackageVersionLater}[1]{%
3043 \ifdim\xepersian@version pt > #1 pt %
3044 \expandafter\@firstoftwo
3045 \else
3046 \expandafter\@secondoftwo
3047 \fi}
3048 \newcommand*{\IfxepersianPackageVersionBefore}[1]{%
3049 \ifdim\xepersian@version pt < #1 pt %
3050 \expandafter\@firstoftwo
3051 \else
3052 \expandafter\@secondoftwo
3053 \fi}
3054 \newcommand*{\IfxepersianPackageVersion}[1]{%
3055 \ifdim\xepersian@version pt = #1 pt %
3056 \expandafter\@firstoftwo
3057 \else
3058 \expandafter\@secondoftwo
3059 \fi}
3060 \def\prq{«}
3061 \def\plq{»}
3062 \def\xepersian@cmds@temp#1{%
3063 \begingroup\expandafter\expandafter\expandafter\endgroup
3064 \expandafter\ifx\csname xepersian@#1\endcsname\relax
3065 \begingroup
3066 \escapechar=-1 %
3067 \edef\x{\expandafter\meaning\csname#1\endcsname}%
3068 \def\y{#1}%
3069 \def\z##1->{}%
3070 \edef\y{\expandafter\z\meaning\y}%
3071 \expandafter\endgroup
3072 \ifx\x\y
3073 \expandafter\def\csname xepersian@#1\expandafter\endcsname
3074 \expandafter{%
3075 \csname#1\endcsname
3076 }%
3077 \fi
3078 \fi
3079 }%
3080 \xepersian@cmds@temp{shellescape}
3081 \newif\ifwritexviii
3082 \ifnum\xepersian@shellescape=1\relax
3083 \writexviii>true
3084 \else
3085 \writexviii>false
3086 \fi
3087 \newfontscript{Persian}{arab}
3088 \newfontlanguage{Persian}{FAR}
3089 \ExplSyntaxOn
3090

```



```

3091 \keys_define:nn {fontspec-opentype}
3092 {
3093   Ligatures / PersianTeX .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-tex-text}
3094   Ligatures / PersianTeXOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3095   Ligatures / PersianTeXReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3096 }
3097
3098 \keys_define:nn {fontspec-aat}
3099 {
3100   Ligatures / PersianTeX .code:n =
3101   {
3102     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text }
3103   }
3104 }
3105
3106 \keys_define:nn {fontspec-opentype}
3107 {
3108   Ligatures / PersianTeXNoNumbers .code:n = { \tl_set:Nn \l__fontspec_mapping_tl {persian-t
3109   Ligatures / PersianTeXNoNumbersOff .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3110   Ligatures / PersianTeXNoNumbersReset .code:n = { \tl_clear:N \l__fontspec_mapping_tl },
3111 }
3112
3113 \keys_define:nn {fontspec-aat}
3114 {
3115   Ligatures / PersianTeXNoNumbers .code:n =
3116   {
3117     \tl_set:Nn \l__fontspec_mapping_tl { persian-tex-text-nonumbers }
3118   }
3119 }
3120
3121 \DeclareDocumentCommand \settextfont { 0{ } m 0{ } }
3122 {
3123   \__xepersian_main_settextfont:nn {#1,#3} {#2}
3124   \ignorespaces
3125 }
3126 \cs_new:Nn \__xepersian_main_settextfont:nn
3127 {
3128   \fontspec_set_family:Nnn \l__fontspec_persianfont_family_tl {RawFeature={script=arab},Ligat
3129   \tl_set_eq:NN \rmdefault \l__fontspec_persianfont_family_tl
3130   \use:x { \exp_not:n { \DeclareRobustCommand \persianfont }
3131   {
3132     \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3133     \exp_not:N \fontfamily { \l__fontspec_persianfont_family_tl }
3134     \exp_not:N \selectfont
3135   }
3136 }
3137 \str_if_eq:eeT {\familydefault} {\rmdefault}
3138 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3139 \__xepersian_settextfont_hook:nn {#1} {#2}
3140 \normalfont
3141 }
3142
3143 \cs_set_eq:NN \__xepersian_settextfont_hook:nn \use_none:nn
3144

```




```

3145 \DeclareDocumentCommand \settextdigitfont { 0{} m 0{} }
3146 {
3147   \_xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3148   \ignorespaces
3149 }
3150 \cs_new:Nn \_xepersian_main_settextdigitfont:nn
3151 {
3152   \fontspec_set_family:Nnn \l__fontspec_textdigitfont_family_tl {Ligatures=PersianTeX,#1} {#2}
3153   \use:x
3154   {
3155     \exp_not:n { \DeclareRobustCommand \xepersian@textdigitfont }
3156     {
3157       \exp_not:N \fontfamily { \l__fontspec_textdigitfont_family_tl }
3158       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3159       \exp_not:N \selectfont
3160     }
3161   }
3162   \_xepersian_settextdigitfont_hook:nn {#1} {#2}
3163   \XeTeXinterchartoks \e@alloc@intercharclass@top \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3164   \XeTeXinterchartoks \bidi@digits@charclass \e@alloc@intercharclass@top = {\xepersian@@stop@switch@textdigitfont}
3165   \XeTeXinterchartoks \z@ \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3166   \XeTeXinterchartoks \bidi@digits@charclass \z@ = {\xepersian@@stop@switch@textdigitfont}
3167   \XeTeXinterchartoks \bidi@digits@charclass \bidi@sepmark@charclass = {\xepersian@@stop@switch@textdigitfont}
3168   \XeTeXinterchartoks \bidi@sepmark@charclass \bidi@digits@charclass = {\DigitsDotDashInter}
3169   \if@bidi@csundef{xepersian@dualjoiner}{%
3170     \XeTeXinterchartoks \xepersian@dualjoiner \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3171     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@dualjoiner = {\xepersian@@stop@switch@textdigitfont}
3172     \XeTeXinterchartoks \xepersian@lam \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3173     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@lam = {\xepersian@@stop@switch@textdigitfont}
3174     \XeTeXinterchartoks \xepersian@alef \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3175     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@alef = {\xepersian@@stop@switch@textdigitfont}
3176     \XeTeXinterchartoks \xepersian@rightjoiner \bidi@digits@charclass = {\xepersian@@start@switch@textdigitfont}
3177     \XeTeXinterchartoks \bidi@digits@charclass \xepersian@rightjoiner = {\xepersian@@stop@switch@textdigitfont}
3178   }
3179 }
3180
3181 \newcommand*{\xepersian@@start@switch@textdigitfont}{\ifx\f@family\ttdefault\else\ifnonlatin
3182 \newcommand*{\xepersian@@stop@switch@textdigitfont}{\ifx\f@family\ttdefault\else\ifnonlatin
3183
3184 \cs_set_eq:NN \_xepersian_settextdigitfont_hook:nn \use_none:nn
3185
3186 \DeclareDocumentCommand \setdigitfont { 0{} m 0{} }
3187 {
3188   \_xepersian_main_settextdigitfont:nn {#1,#3} {#2}
3189   \_xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
3190   \ignorespaces
3191 }
3192
3193
3194 \DeclareDocumentCommand \setlatintextfont { 0{} m 0{} }
3195 {
3196   \_xepersian_main_setlatintextfont:nn {#1,#3} {#2}
3197   \ignorespaces
3198 }

```



```

3199 \cs_new:Nn \__xepersian_main_setlatintextfont:nn
3200 {
3201   \fontspec_set_family:Nnn \l__fontspec_latinfont_family_tl {Ligatures=TeX,#1} {#2}
3202   \use:x { \exp_not:n { \DeclareRobustCommand \latinfont }
3203     {
3204       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3205       \exp_not:N \fontfamily { \l__fontspec_latinfont_family_tl }
3206       \exp_not:N \selectfont
3207     }
3208   }
3209   \str_if_eq:eeT {\familydefault} {\rmdefault}
3210     { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3211   \__xepersian_setlatintextfont_hook:nn {#1} {#2}
3212   \normalfont
3213 }
3214
3215 \cs_set_eq:NN \__xepersian_setlatintextfont_hook:nn \use_none:nn
3216
3217 \tl_set_eq:NN \setlatinsansfont \setsansfont
3218 \tl_set_eq:NN \setlatinmonofont \setmonofont
3219
3220 \DeclareDocumentCommand \defpersianfont { m O{} m O{} }
3221 {
3222   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3223   \NewDocumentCommand
3224 }
3225 \DeclareDocumentCommand \reddefpersianfont { m O{} m O{} }
3226 {
3227   \__xepersian_main_defpersianfont:NnnN #1 {#2,#4} {#3}
3228   \RenewDocumentCommand
3229 }
3230 \cs_new:Nn \__xepersian_main_defpersianfont:NnnN
3231 {
3232   \fontspec_set_family:cnn { \l__fontspec_ \cs_to_str:N #1 _family_tl } {RawFeature={script=ar}}
3233   \use:x
3234   {
3235     \exp_not:N #4 \exp_not:N #1 {}
3236     {
3237       \exp_not:N \fontfamily { \use:c { \l__fontspec_ \cs_to_str:N #1 _family_tl } }
3238       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3239       \exp_not:N \selectfont
3240     }
3241   }
3242 }
3243
3244 \DeclareDocumentCommand \deflatinfont { m O{} m O{} }
3245 {
3246   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3247   \NewDocumentCommand
3248 }
3249 \DeclareDocumentCommand \reddeflatinfont { m O{} m O{} }
3250 {
3251   \__xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3252   \RenewDocumentCommand

```



```

3253 }
3254 \cs_new:Nn \__xepersian_main_deflatinfont:NnnN
3255 {
3256   \fontspec_set_family:cn { l__fontspec_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3}
3257   \use:x
3258   {
3259     \exp_not:N #4 \exp_not:N #1 {}
3260     {
3261       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3262       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3263       \exp_not:N \selectfont
3264     }
3265   }
3266 }
3267
3268 \newcommand\persiansfdefault{}
3269 \newcommand\persianttdefault{}
3270 \newcommand\iranicdefault{}
3271 \newcommand\navardefault{}
3272 \newcommand\pookdefault{}
3273 \newcommand\sayehdefault{}
3274 \DeclareRobustCommand\persiansffamily
3275   {\not@math@alphabet\persiansffamily\mathpersiansf
3276   \fontfamily\persiansfdefault\selectfont}
3277 \DeclareRobustCommand\persianttfamily
3278   {\not@math@alphabet\persianttfamily\mathpersiantt
3279   \fontfamily\persianttdefault\selectfont}
3280 \DeclareRobustCommand\iranicfamily
3281   {\not@math@alphabet\iranicfamily\mathiranic
3282   \fontfamily\iranicdefault\selectfont}
3283 \DeclareRobustCommand\navarfamil
3284   {\not@math@alphabet\navarfamil\mathnavar
3285   \fontfamily\navardefault\selectfont}
3286 \DeclareRobustCommand\pookfamil
3287   {\not@math@alphabet\pookfamil\mathpook
3288   \fontfamily\pookdefault\selectfont}
3289 \DeclareRobustCommand\sayehfamil
3290   {\not@math@alphabet\sayehfamil\mathsayeh
3291   \fontfamily\sayehdefault\selectfont}
3292 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3293 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3294 \DeclareTextFontCommand{\textiranic}{\iranicfamily}
3295 \DeclareTextFontCommand{\textnavar}{\navarfamil}
3296 \DeclareTextFontCommand{\textpook}{\pookfamil}
3297 \DeclareTextFontCommand{\textsayeh}{\sayehfamil}
3298
3299 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3300 {
3301   \__xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3302   \ignorespaces
3303 }
3304 \cs_new:Nn \__xepersian_main_setpersiansansfont:nn
3305 {
3306   \fontspec_set_family:Nnn \l__fontspec_persiansffamily_family_tl {RawFeature={script=arab},L

```



```

3307 \tl_set_eq:NN \persiansfdefault \l__fontspec_persiansffamily_family_tl
3308 \use:x { \exp_not:n { \DeclareRobustCommand \persiansffamily }
3309 {
3310 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3311 \exp_not:N \fontfamily { \l__fontspec_persiansffamily_family_tl }
3312 \exp_not:N \selectfont
3313 }
3314 }
3315 \str_if_eq:eeT {\familydefault} {\persiansfdefault}
3316 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3317 \__xepersian_setpersiansansfont_hook:nn {#1} {#2}
3318 \normalfont
3319 }
3320
3321 \cs_set_eq:NN \__xepersian_setpersiansansfont_hook:nn \use_none:nn
3322
3323 \DeclareDocumentCommand \setpersianmonofont { 0{} m 0{} }
3324 {
3325 \__xepersian_main_setpersianmonofont:nn {#1,#3} {#2}
3326 \ignorespaces
3327 }
3328 \cs_new:Nn \__xepersian_main_setpersianmonofont:nn
3329 {
3330 \fontspec_set_family:Nnn \l__fontspec_persianttfamily_family_tl {RawFeature={script=arab}},L
3331 \tl_set_eq:NN \persianttdefault \l__fontspec_persianttfamily_family_tl
3332 \use:x { \exp_not:n { \DeclareRobustCommand \persianttfamily }
3333 {
3334 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3335 \exp_not:N \fontfamily { \l__fontspec_persianttfamily_family_tl }
3336 \exp_not:N \selectfont
3337 }
3338 }
3339 \str_if_eq:eeT {\familydefault} {\persianttdefault}
3340 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3341 \__xepersian_setpersianmonofont_hook:nn {#1} {#2}
3342 \normalfont
3343 }
3344
3345 \cs_set_eq:NN \__xepersian_setpersianmonofont_hook:nn \use_none:nn
3346
3347 \DeclareDocumentCommand \setnavarfont { 0{} m 0{} }
3348 {
3349 \__xepersian_main_setnavarfont:nn {#1,#3} {#2}
3350 \ignorespaces
3351 }
3352 \cs_new:Nn \__xepersian_main_setnavarfont:nn
3353 {
3354 \fontspec_set_family:Nnn \l__fontspec_navarfamilly_family_tl {RawFeature={script=arab},Ligat
3355 \tl_set_eq:NN \navardefault \l__fontspec_navarfamilly_family_tl
3356 \use:x { \exp_not:n { \DeclareRobustCommand \navarfamilly }
3357 {
3358 \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3359 \exp_not:N \fontfamily { \l__fontspec_navarfamilly_family_tl }
3360 \exp_not:N \selectfont

```



```

3361 }
3362 }
3363 \str_if_eq:eeT {\familydefault} {\navardefault}
3364 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3365 \__xepersian_setnavarfont_hook:nn {#1} {#2}
3366 \normalfont
3367 }
3368
3369 \cs_set_eq:NN \__xepersian_setnavarfont_hook:nn \use_none:nn
3370
3371 \DeclareDocumentCommand \setpookfont { 0{} m 0{} }
3372 {
3373   \__xepersian_main_setpookfont:nn {#1,#3} {#2}
3374   \ignorespaces
3375 }
3376 \cs_new:Nn \__xepersian_main_setpookfont:nn
3377 {
3378   \fontspec_set_family:Nnn \l__fontspec_pookfamily_family_tl {RawFeature={script=arab},Ligatu
3379   \tl_set_eq:NN \pookdefault \l__fontspec_pookfamily_family_tl
3380   \use:x { \exp_not:n { \DeclareRobustCommand \pookfamily }
3381     {
3382       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3383       \exp_not:N \fontfamily { \l__fontspec_pookfamily_family_tl }
3384       \exp_not:N \selectfont
3385     }
3386   }
3387   \str_if_eq:eeT {\familydefault} {\pookdefault}
3388   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3389   \__xepersian_setpookfont_hook:nn {#1} {#2}
3390   \normalfont
3391 }
3392
3393 \cs_set_eq:NN \__xepersian_setpookfont_hook:nn \use_none:nn
3394
3395 \DeclareDocumentCommand \setsayehfont { 0{} m 0{} }
3396 {
3397   \__xepersian_main_setsayehfont:nn {#1,#3} {#2}
3398   \ignorespaces
3399 }
3400 \cs_new:Nn \__xepersian_main_setsayehfont:nn
3401 {
3402   \fontspec_set_family:Nnn \l__fontspec_sayehfamily_family_tl {RawFeature={script=arab},Ligatu
3403   \tl_set_eq:NN \sayehdefault \l__fontspec_sayehfamily_family_tl
3404   \use:x { \exp_not:n { \DeclareRobustCommand \sayehfamily }
3405     {
3406       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3407       \exp_not:N \fontfamily { \l__fontspec_sayehfamily_family_tl }
3408       \exp_not:N \selectfont
3409     }
3410   }
3411   \str_if_eq:eeT {\familydefault} {\sayehdefault}
3412   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3413   \__xepersian_setsayehfont_hook:nn {#1} {#2}
3414   \normalfont

```



```

3415 }
3416
3417 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3418
3419 \DeclareDocumentCommand \setiraniconfont { O{} m O{} }
3420 {
3421   \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3422   \ignorespaces
3423 }
3424 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
3425 {
3426   \fontspec_set_family:Nnn \l__fontspec_iranicfamily_family_tl {RawFeature={script=arab},Ligatures={liga}}
3427   \tl_set_eq:NN \iraniconfontdefault \l__fontspec_iranicfamily_family_tl
3428   \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfont }
3429     {
3430       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3431       \exp_not:N \fontfamily { \l__fontspec_iranicfamily_family_tl }
3432       \exp_not:N \selectfont
3433     }
3434 }
3435 \str_if_eq:eeT {\familydefault} {\iraniconfontdefault}
3436   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3437   \__xepersian_setiraniconfont_hook:nn {#1} {#2}
3438   \normalfont
3439 }
3440
3441 \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
3442
3443 \ExplSyntaxOff
3444 \def\resetlatinfont{%
3445   \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3446   \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3447   \def\xepersian@@fontsize@scale{%
3448     \strip@pt\dimexpr 1pt * \dimexpr
3449     \xepersian@@latin@fontsize@scale pt\relax
3450     / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3451   }%
3452   \def\xepersian@@baselineskip@scale{%
3453     \strip@pt\dimexpr 1pt * \dimexpr
3454     \xepersian@@latin@baselineskip@scale pt\relax
3455     / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3456   }%
3457   \@nonlatinfalse%
3458   \let\normalfont\latinfont%
3459   \let\reset@font\normalfont%
3460   \latinfont%
3461   \fontsize\font@size\font@baselineskip%
3462   \selectfont%
3463   \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3464   \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%
3465 }
3466 \def\setpersianfont{%
3467   \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3468   \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%

```



```

3469 \let\xepersian@@fontsize@scale\@ne%
3470 \let\xepersian@@baselineskip@scale\@ne%
3471 \@nonlatintrue%
3472 \let\normalfont\persianfont%
3473 \let\reset@font\normalfont%
3474 \persianfont%
3475 \fontsize\fontsize\font@baselineskip%
3476 \selectfont%
3477 \let\xepersian@@fontsize@scale\@xepersian@@fontsize@scale%
3478 \let\xepersian@@baselineskip@scale\@xepersian@@baselineskip@scale%
3479 }
3480 \bidi@newrobustcmd*{\lr}[1]{\LRE{\resetlatinfont#1}}
3481 \bidi@newrobustcmd*{\rl}[1]{\RLE{\setpersianfont#1}}
3482 \def\latin{\LTR\LatinAlphs\@RTL@footnotefalse\resetlatinfont}
3483 \def\endlatin{\endLTR}
3484 \newenvironment{latin*}{\latin
3485   \everypar{%
3486     {\setbox\z@\lastbox
3487       \ifvoid\z@
3488         \kern-\parindent
3489       \fi}%
3490   }%
3491 }{\endlatin\@endpetrue}
3492 \def\persian{\RTL\PersianAlphs\@RTL@footnotetrue\setpersianfont}
3493 \def\endpersian{\endRTL}
3494 \newenvironment{persian*}{\persian
3495   \everypar{%
3496     {\setbox\z@\lastbox
3497       \ifvoid\z@
3498         \kern-\parindent
3499       \fi}%
3500   }%
3501 }{\endpersian\@endpetrue}
3502 \newenvironment{latinitems}{\begin{LTRitems}\LatinAlphs\@RTL@footnotefalse\resetlatinfont}{\end{LATINitems}}
3503 \newenvironment{persianitems}{\begin{RTLitems}\PersianAlphs\@RTL@footnotetrue\setpersianfont}{\end{PERSIANitems}}
3504 \let\originaltoday=\today
3505 \def\latintoday{\lr{\originaltoday}}
3506 \def\today{\rl{\persiantoday}}
3507 \def \@LTRmarginparreset {%
3508   \reset@font
3509   \resetlatinfont
3510   \normalsize
3511   \@minipagetrue
3512   \everypar{\@minipagefalse\everypar}\beginL}%
3513 }
3514 \DeclareRobustCommand\Latincite{%
3515   \@ifnextchar [{\@tempswatrue\@Latincitex}{\@tempswafalse\@Latincitex []}]
3516 \def\@Latincitex[#1]#2{\leavevmode
3517   \let\@citea\@empty
3518   \@cite{\lr{\@for\@citeb:=#2\do
3519     {\@citea\def\@citea{,\penalty\@m }}%
3520     \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
3521     \if@filesw\immediate\write\@auxout{\string\citation{\@citeb}}\fi
3522     \@ifundefined{b@\@citeb}{\hbox{\reset@font\bfseries ?}}%

```



```

3523 \G@refundefinedtrue
3524 \@latex@warning
3525   {Citation `@citeb' on page \thepage \space undefined}}%
3526   {\@cite@ofmt{\csname b@citeb\endcsname}}}{#1}}
3527
3528 \renewcommand*{\bidi@font@@outputpage}{\if@RTLmain\setpersianfont\else\resetlatinfont\fi}
3529
3530 \newcount\xepersian@tcl
3531 \newdimen\xepersian@ilg
3532 \newdimen\xepersian@strutilg
3533 \chardef\f@ur=4
3534 \newcommand*{\xepersian@computeautoilg}{% compute the interline glue
3535   \xepersian@tcl=1536\xepersian@ilg\z@\xepersian@strutilg\z@
3536   \loop
3537     \iffontchar\font\xepersian@tcl
3538     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\z@
3539     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3540       \xepersian@ilg=\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3541     \fi
3542   \else
3543     \ifdim\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl<\z@
3544     \ifdim-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl>\xepersian@ilg
3545       \xepersian@ilg=-\XeTeXglyphbounds\tw@ \the\XeTeXcharglyph\xepersian@tcl
3546     \fi
3547   \fi
3548 \fi
3549 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\z@
3550 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3551   \xepersian@strutilg=\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3552 \fi
3553 \else
3554 \ifdim\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl<\z@
3555 \ifdim-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl>\xepersian@strutilg
3556   \xepersian@strutilg=-\XeTeXglyphbounds\f@ur \the\XeTeXcharglyph\xepersian@tcl
3557 \fi
3558 \fi
3559 \fi
3560 \fi
3561 \advance\xepersian@tcl\@ne
3562 \ifnum\xepersian@tcl<1792\repeat
3563   \advance\xepersian@strutilg\xepersian@ilg
3564 % \ifdim\xepersian@strutilg>\baselineskip
3565 % \PackageInfo{xepersian}{character with height+depth greater than current baselineskip four
3566 % \PackageInfo{xepersian}{baselineskip changed to that height+depth!}
3567 % \linespread{\strip@pt\dimexpr 1pt * \xepersian@strutilg / \baselineskip\relax}
3568 % \selectfont
3569 % \fi
3570 }
3571
3572 \newif\if@@textdigitfont@on
3573
3574 \newcommand{\TextDigitFontOn}{\@@textdigitfont@ontrue}
3575 \newcommand{\TextDigitFontOff}{\@@textdigitfont@onfalse}
3576

```




```

3577 \TextDigitFontOn
3578
3579 \newcommand*\xepersian@setlength[4]{%
3580   \ifdim #2<\ifdim #2=\z@ \z@ \else \p@\fi
3581   \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3582   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3583   \setlength{#1}{\p@ \@plus\p@ \@minus\p@}%
3584   \else
3585   \setlength{#1}{\p@ \@plus\p@ \@minus#4}%
3586   \fi
3587   \else
3588   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3589   \setlength{#1}{\p@ \@plus#3 \@minus\p@}%
3590   \else
3591   \setlength{#1}{\p@ \@plus#3 \@minus#4}%
3592   \fi
3593   \fi
3594   \else
3595   \ifdim #3<\ifdim #3=\z@ \z@ \else \p@\fi
3596   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3597   \setlength{#1}{#2 \@plus\p@ \@minus\p@}%
3598   \else
3599   \setlength{#1}{#2 \@plus\p@ \@minus#4}%
3600   \fi
3601   \else
3602   \ifdim #4<\ifdim #4=\z@ \z@ \else \p@\fi
3603   \setlength{#1}{#2 \@plus#3 \@minus\p@}%
3604   \else
3605   \setlength{#1}{#2 \@plus#3 \@minus#4}%
3606   \fi
3607   \fi
3608   \fi
3609 }
3610
3611 \newcommand*\@setfontsize[2][1.2\@tempdima]{%
3612   \@defaultunits\@tempdima#2pt\relax\@nnil
3613   \setlength{\@tempdimc}{\@tempdima}%
3614   \addtolength{\@tempdimc}{-10\p@}%
3615   \edef\@ptsize{\strip@pt\@tempdimc}%
3616   \@defaultunits\@tempdimb#1pt\relax\@nnil
3617   \setlength{\@tempdimc}{\dimexpr (100\@tempdimb / \@tempdima * \p@)}%
3618   \edef\@tempb{\the\@tempdimc}%
3619   \setlength{\@tempdimc}{\@tempdima}%
3620   \def\@tempa##1##2##3##4##5\@nnil{\def##1{##2.##3##4}}%
3621   \expandafter\@tempa\expandafter\@tempb\@tempb\@nnil%
3622   \xepersian@setlength{\abovedisplayskip}%
3623     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3624   \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3625   \xepersian@setlength{\belowdisplayshortskip}%
3626     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3627   \setlength{\belowdisplayskip}{\abovedisplayskip}%
3628   \edef\normalsize{%
3629     \noexpand\setfontsize\noexpand\normalsize
3630     {\the\@tempdima}{\the\@tempdimb}%

```



```

3631 \abovedisplayskip \the\abovedisplayskip
3632 \abovedisplayshortskip \the\abovedisplayshortskip
3633 \belowdisplayskip \the\belowdisplayskip
3634 \belowdisplayshortskip \the\belowdisplayshortskip
3635 \let\noexpand\@listi\noexpand\@listI
3636 }%
3637 \setlength{\@tempdima}{0.9125\@tempdimc}%
3638 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3639 \xepersian@setlength{\abovedisplayskip}%
3640     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3641 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3642 \xepersian@setlength{\belowdisplayskip}%
3643     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3644 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3645 \edef\small{%
3646     \noexpand\@setfontsize\noexpand\small
3647     {\the\@tempdima}{\the\@tempdimb}%
3648     \abovedisplayskip \the\abovedisplayskip
3649     \abovedisplayshortskip \the\abovedisplayshortskip
3650     \belowdisplayskip \the\belowdisplayskip
3651     \belowdisplayshortskip \the\belowdisplayshortskip
3652     \let\noexpand\@listi\noexpand\@listi@small
3653 }%
3654 \setlength{\@tempdima}{.83334\@tempdimc}%
3655 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3656 \xepersian@setlength{\abovedisplayskip}%
3657     {.8333\@tempdimb}{.1667\@tempdimb}{.5\@tempdimb}%
3658 \xepersian@setlength{\abovedisplayshortskip}{\z@}{.25\@tempdimb}{\z@}%
3659 \xepersian@setlength{\belowdisplayskip}%
3660     {.5\@tempdimb}{.25\@tempdimb}{.25\@tempdimb}%
3661 \setlength{\belowdisplayskip}{\abovedisplayskip}%
3662 \edef\footnotesize{%
3663     \noexpand\@setfontsize\noexpand\footnotesize
3664     {\the\@tempdima}{\the\@tempdimb}%
3665     \abovedisplayskip \the\abovedisplayskip
3666     \abovedisplayshortskip \the\abovedisplayshortskip
3667     \belowdisplayskip \the\belowdisplayskip
3668     \belowdisplayshortskip \the\belowdisplayshortskip
3669     \let\noexpand\@listi\noexpand\@listi@footnotesize
3670 }%
3671 \setlength{\@tempdima}{.66667\@tempdimc}%
3672 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3673 \edef\scriptsize{%
3674     \noexpand\@setfontsize\noexpand\scriptsize
3675     {\the\@tempdima}{\the\@tempdimb}%
3676 }%
3677 \setlength{\@tempdima}{.5\@tempdimc}%
3678 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3679 \edef\tiny{%
3680     \noexpand\@setfontsize\noexpand\tiny
3681     {\the\@tempdima}{\the\@tempdimb}%
3682 }%
3683 \setlength{\@tempdima}{1.2\@tempdimc}%
3684 \setlength{\@tempdimb}{\@tempb\@tempdima}%

```



```

3685 \edef\large{%
3686   \noexpand\setfontsize\noexpand\large
3687   {\the\@tempdima}{\the\@tempdimb}%
3688 }%
3689 \setlength{\@tempdima}{1.44\@tempdimc}%
3690 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3691 \edef\Large{%
3692   \noexpand\setfontsize\noexpand\Large
3693   {\the\@tempdima}{\the\@tempdimb}%
3694 }%
3695 \setlength{\@tempdima}{1.728\@tempdimc}%
3696 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3697 \edef\LARGE{%
3698   \noexpand\setfontsize\noexpand\LARGE
3699   {\the\@tempdima}{\the\@tempdimb}%
3700 }%
3701 \setlength{\@tempdima}{2.074\@tempdimc}%
3702 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3703 \edef\huge{%
3704   \noexpand\setfontsize\noexpand\huge
3705   {\the\@tempdima}{\the\@tempdimb}%
3706 }%
3707 \setlength{\@tempdima}{2.488\@tempdimc}%
3708 \setlength{\@tempdimb}{\@tempb\@tempdima}%
3709 \edef\Huge{%
3710   \noexpand\setfontsize\noexpand\Huge
3711   {\the\@tempdima}{\the\@tempdimb}%
3712 }%
3713 \normalsize
3714 \setlength{\@tempdimb}{\f@baselineskip}%
3715 \xepersian@setlength{\parsep}%
3716   {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3717 \xepersian@setlength{\topsep}%
3718   {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3719 \@tempswafalse
3720 \begingroup
3721 \def\@list@extra{\aftergroup\@tempswatruetrue}%
3722 \csname @listi\endcsname
3723 \endgroup
3724 \edef\@listi{\leftmargin\leftmarginI
3725   \topsep \the\topsep
3726   \parsep \the\parsep
3727   \itemsep \parsep
3728   \if@tempswa\noexpand\@list@extra\fi
3729 }%
3730 \let\@listI\@listi
3731 \xepersian@setlength{\parsep}%
3732   {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3733 \xepersian@setlength{\topsep}%
3734   {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3735 \@tempswafalse
3736 \begingroup
3737 \def\@list@extra{\aftergroup\@tempswatruetrue}%
3738 \csname @listi\endcsname

```



```

3739 \endgroup
3740 \edef\@listi@small{\leftmargin\leftmargini
3741 \topsep \the\topsep
3742 \parsep \the\parsep
3743 \itemsep \parsep
3744 \if@tempswa\noexpand\@list@extra\fi
3745 }%
3746 \xepersian@setlength{\parsep}%
3747         {.125\@tempdimb}{.0625\@tempdimb}{.0625\@tempdimb}%
3748 \xepersian@setlength{\topsep}%
3749         {.25\@tempdimb}{.125\@tempdimb}{.125\@tempdimb}
3750 \@tempswafalse
3751 \begingroup
3752 \def\@list@extra{\aftergroup\@tempwattrue}%
3753 \csname @listi\endcsname
3754 \endgroup
3755 \edef\@listi@footnotesize{\leftmargin\leftmargini
3756 \topsep \the\topsep
3757 \parsep \the\parsep
3758 \itemsep \parsep
3759 \if@tempswa\noexpand\@list@extra\fi
3760 }%
3761 \xepersian@setlength{\parsep}%
3762         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3763 \xepersian@setlength{\topsep}%
3764         {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3765 \@tempswafalse
3766 \begingroup
3767 \def\@list@extra{\aftergroup\@tempwattrue}%
3768 \csname @listii\endcsname
3769 \endgroup
3770 \edef\@listii{\leftmargin\leftmarginii
3771 \labelwidth=\dimexpr \leftmargin-\labelsep
3772 \topsep \the\topsep
3773 \parsep \the\parsep
3774 \itemsep \parsep
3775 \if@tempswa\noexpand\@list@extra\fi
3776 }%
3777 \xepersian@setlength{\topsep}%
3778         {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3779 \setlength{\partopsep}{\z@ \@plus\z@ \@minus\p@}%
3780 \@tempswafalse
3781 \begingroup
3782 \def\@list@extra{\aftergroup\@tempwattrue}%
3783 \csname @listiii\endcsname
3784 \endgroup
3785 \edef\@listiii{\leftmargin\leftmarginiii
3786 \labelwidth=\dimexpr \leftmargin-\labelsep
3787 \topsep \the\topsep
3788 \parsep \z@
3789 \partopsep \the\partopsep
3790 \itemsep \topsep
3791 \if@tempswa\noexpand\@list@extra\fi
3792 }%

```



```

3793 \@tempwafalse
3794 \begingroup
3795   \def\@list@extra{\aftergroup\@tempwatruel}%
3796   \csname @listiv\endcsname
3797 \endgroup
3798 \edef\@listiv{\leftmargin\leftmarginiv
3799   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3800   \if@tempwa\noexpand\@list@extra\fi
3801 }%
3802 \@tempwafalse
3803 \begingroup
3804   \def\@list@extra{\aftergroup\@tempwatruel}%
3805   \csname @listv\endcsname
3806 \endgroup
3807 \edef\@listv{\leftmargin\leftmarginv
3808   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3809   \if@tempwa\noexpand\@list@extra\fi
3810 }%
3811 \@tempwafalse
3812 \begingroup
3813   \def\@list@extra{\aftergroup\@tempwatruel}%
3814   \csname @listvi\endcsname
3815 \endgroup
3816 \edef\@listvi{\leftmargin\leftmarginvi
3817   \labelwidth=\dimexpr \leftmargin-\labelsep\relax
3818   \if@tempwa\noexpand\@list@extra\fi
3819 }%
3820 \@listi
3821   \setlength{\@tempdimb}{\f@baselineskip}%
3822   \setlength{\footnotesep}{.555\@tempdimb}%
3823   \xepersian@setlength{\skip\footins}%
3824     {.75\@tempdimb}{.3333\@tempdimb}{.1667\@tempdimb}%
3825   \xepersian@setlength{\floatsep}%
3826     {\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%
3827   \xepersian@setlength{\textfloatsep}%
3828     {1.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3829   \setlength{\intextsep}{\floatsep}%
3830   \setlength{\dblfloatsep}{\floatsep}%
3831   \setlength{\dbltextfloatsep}{\textfloatsep}%
3832   \setlength{\@fptop}{\z@ \@plus 1fil}%
3833   \setlength{\@fpsep}{.6667\@tempdimb \@plus 2fil}%
3834   \setlength{\@fpbot}{\@fptop}%
3835   \setlength{\@dblfpot}{\@fptop}%
3836   \setlength{\@dblfpsep}{\@fpsep}%
3837   \setlength{\@dblfpbot}{\@fptop}%
3838   \xepersian@setlength{\partopsep}{.2\@tempdimb}{.1\@tempdimb}{.1\@tempdimb}%
3839 }
3840
3841 \renewcommand*{\@bidi@logo@}{%
3842   \@bidi@logo@hb@xt@columnwidth
3843   {\hss\bfseries
3844     {\today}   {\TypesetTime}
3845   \textsf{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}
3846

```



```

3847 \renewcommand*{\@bidi@pdfcreator}{%
3848 The xepersian package, v\xepersian@version\space (Release \xepersian@releasename), \xepersi
3849 }
3850
3851 \newcommand*{\@xepersian@pdfcustomproperties}{%
3852 This is the xepersian package, Version \xepersian@version\space (Release \xepersian@releas
3853 Released January 3, 2025.
3854 }
3855
3856 \newcommand\twocolumnstableofcontents{%
3857 \if@bidi@csundef{multi@column@out}{%
3858 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3859 \begin{multicols}{2}[\section*{\contentsname}]%
3860 \small
3861 \starttoc{toc}%
3862 \end{multicols}}
3863 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X}\lower.5ex
3864 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}
3865 \AtBeginDocument{%
3866 \def\figurename{\if@RTL else\ Figure\fi}%
3867 \def\tablename{\if@RTL else\ Table\fi}%
3868 \def\contentsname{\if@RTL else\ Contents\fi}%
3869 \def\listfigurename{\if@RTL else\ List of Figures\fi}%
3870 \def\listtablename{\if@RTL else\ List of Tables\fi}%
3871 \def\appendixname{\if@RTL else\ Appendix\fi}%
3872 \def\indexname{\if@RTL else\ Index\fi}%
3873 \def\refname{\if@RTL else\ References\fi}%
3874 \def\abstractname{\if@RTL else\ Abstract\fi}%
3875 \def\partname{\if@RTL else\ Part\fi}%
3876 \def\datename{\if@RTL else\ : Date:\fi}%
3877 \def\@and{\if@RTL else\ and\fi}%
3878 \def\bibname{\if@RTL else\ Bibliography\fi}%
3879 \def\chaptername{\if@RTL else\ Chapter\fi}%
3880 \def\ccname{\if@RTL else\ cc\fi}%
3881 \def\enclname{\if@RTL else\ encl\fi}%
3882 \def\pagename{\if@RTL else\ Page\fi}%
3883 \def\headtoname{\if@RTL else\ To\fi}%
3884 \def\proofname{\if@RTL else\ Proof\fi}%
3885 }
3886 \def\@Abjad#1{%
3887 \ifcase#1\or or\ or\ or\ %
3888 \or or\ or\ or\ or\ %
3889 \or or\ or\ or\ or\ %
3890 \or or\ or\ or\ %
3891 \or or\ or\ or\ or\ %
3892 \or or\ or\ or\ or\ %
3893 \else\@ctrerr\fi}
3894 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3895 \let\Abjadnumeral\@Abjad
3896 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\
3897 or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\ or\
3898 or\ or\ or\ or\ or\ or\ or\ or\ or\ {else\@ctrerr\fi}
3899 \def\harfi#1{\expandafter\@harfi\csname c@#1\endcsname}
3900 \let\harfinumeral\@harfi

```



```

3901 \newcommand{\adadi}[1]{%
3902 \expandafter\@adadi\csname c@#1\endcsname%
3903 }
3904 \newcommand{\@adadi}[1]{%
3905 \xepersian@numberstring{#1}\xepersian@yekanii{ }{ }%
3906 }
3907 \let\adadinumeral\@adadi%
3908 \def\xepersian@numberoutofrange#1#2{%
3909 \PackageError{xepersian}{The number `#1' is too large %
3910 to be formatted using xepersian}{The largest possible %
3911 number is 999,999,999.}%
3912 }
3913 \def\xepersian@numberstring#1#2#3#4{%
3914 \ifnum\number#1<\@ne%
3915 #3%
3916 \else\ifnum\number#1<1000000000 %
3917 \expandafter\xepersian@adadi\expandafter{\number#1}#2%
3918 \else%
3919 \xepersian@numberoutofrange{#1}{#4}%
3920 \fi\fi%
3921 }
3922 \def\xepersian@adadi#1#2{%
3923 \expandafter\xepersian@@adadi%
3924 \ifcase%
3925 \ifnum#1<10 1%
3926 \else\ifnum#1<100 2%
3927 \else\ifnum#1<\@m 3%
3928 \else\ifnum#1<\@M 4%
3929 \else\ifnum#1<100000 5%
3930 \else\ifnum#1<1000000 6%
3931 \else\ifnum#1<10000000 7%
3932 \else\ifnum#1<100000000 8%
3933 \else9%
3934 \fi\fi\fi\fi\fi\fi\fi\fi\fi %
3935 \or00000000#1% case 1: Add 8 leading zeros
3936 \or0000000#1% case 2: Add 7 leading zeros
3937 \or000000#1% case 3: Add 6 leading zeros
3938 \or00000#1% case 4: Add 5 leading zeros
3939 \or0000#1% case 5: Add 4 leading zeros
3940 \or000#1% case 6: Add 3 leading zeros
3941 \or00#1% case 7: Add 2 leading zeros
3942 \or0#1% case 8: Add 1 leading zero
3943 \or#1% case 9: Add no leading zeros
3944 \or%
3945 \@nil#2%
3946 \fi%
3947 }
3948 \def\xepersian@@adadi#1#2#3#4#5#6#7\or#8\@nil#9{%
3949 \ifnum#1#2#3>\z@
3950 \xepersian@milyoongan#1#2#3%
3951 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
3952 \fi%
3953 \ifnum#4#5#6>\z@%
3954 \xepersian@sadgan#4#5#6{#1#2#3}{#4#5}\xepersian@yekani%

```



```

3955 \ifnum#4#5#6>\@ne\fi%
3956 %
3957 \ifnum#7>\z@\ \fi%
3958 \fi%
3959 \xepersian@sadgan#7{#4#5#6}1#9%
3960 }
3961 \def\xepersian@milyoongan#1#2#3{%
3962 \ifnum#1#2#3=\@ne%
3963 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3964 %
3965 %
3966 \else%
3967 \xepersian@sadgan#1#2#301\xepersian@yekanii%
3968 %
3969 %
3970 \fi%
3971 }
3972 \def\xepersian@sadgan#1#2#3#4#5#6{%
3973 \ifnum#1>\z@%
3974 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
3975 %
3976 \ifnum#2#3>\z@\ \fi%
3977 \fi%
3978 \ifnum#2#3<20%
3979 \ifnum#5#2#3>\@ne#6{#2#3}\fi%
3980 \else%
3981 \xepersian@dahgan#2%
3982 \ifnum#3>\z@\ \xepersian@yekani#3\fi%
3983 #60%
3984 \fi%
3985 }
3986 \def\xepersian@yekani#1{%
3987 \ifcase#1\@empty\or or\ or\ or\ or\ or\ %
3988 \or or\ or\ or\ or\ or\ or\ %
3989 \or or\ or\ or\ %
3990 \or or\ %fi\
3991 }
3992 \def\xepersian@yekanii#1{%
3993 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3994 }
3995 \def\xepersian@yekanii#1{%
3996 \ifcase#1\@empty\or %else\xepersian@yekani{#1}\fi\
3997 }
3998 \def\xepersian@yekaniv#1{%
3999 \ifcase#1\@empty\or\or or\ or\ or\ or\ %
4000 \or or\ or\ %fi\
4001 }
4002 \def\xepersian@dahgan#1{%
4003 \ifcase#1\or\or or\ or\ %
4004 \or or\ or\ or\ %
4005 \or %fi\
4006 }
4007 \newcommand{\tartibi}[1]{%
4008 \expandafter\@tartibi\csname c@#1\endcsname%

```




```

4009 }
4010 \newcommand{\@tartibi}[1]{%
4011 \xepersian@numberstring@tartibi{#1}\xepersian@tartibi{ }{ }%
4012 }
4013 \let\tartibinumeral\@tartibi%
4014 \def\xepersian@numberstring@tartibi#1#2#3#4{%
4015 \ifnum\number#1<\@ne%
4016 #3%
4017 \else\ifnum\number#1<100000000 %
4018 \expandafter\xepersian@adadi@tartibi\expandafter{\number#1}#2%
4019 \else%
4020 \xepersian@numberoutofrange{#1}#{#4}%
4021 \fi\fi%
4022 }
4023 \def\xepersian@adadi@tartibi#1#2{%
4024 \expandafter\xepersian@@adadi@tartibi%
4025 \ifcase%
4026 \ifnum#1<10 1%
4027 \else\ifnum#1<100 2%
4028 \else\ifnum#1<\@m 3%
4029 \else\ifnum#1<\@M 4%
4030 \else\ifnum#1<100000 5%
4031 \else\ifnum#1<1000000 6%
4032 \else\ifnum#1<10000000 7%
4033 \else\ifnum#1<100000000 8%
4034 \else9%
4035 \fi\fi\fi\fi\fi\fi\fi\fi %
4036 \or00000000#1% case 1: Add 8 leading zeros
4037 \or0000000#1% case 2: Add 7 leading zeros
4038 \or000000#1% case 3: Add 6 leading zeros
4039 \or00000#1% case 4: Add 5 leading zeros
4040 \or0000#1% case 5: Add 4 leading zeros
4041 \or000#1% case 6: Add 3 leading zeros
4042 \or00#1% case 7: Add 2 leading zeros
4043 \or0#1% case 8: Add 1 leading zero
4044 \or#1% case 9: Add no leading zeros
4045 \or%
4046 \@nil#2%
4047 \fi%
4048 }
4049 \def\xepersian@@adadi@tartibi#1#2#3#4#5#6#7\or8\@nil#9{%
4050 \ifnum#1#2#3>\z@
4051 \xepersian@milyoongan@tartibi#1#2#3%
4052 \ifnum#7>\z@\ifnum#4#5#6>\z@\ \else\ \fi\else\ifnum#4#5#6>\z@\ \fi\fi%
4053 \fi%
4054 \ifnum#4#5#6>\z@%
4055 \xepersian@sadgan#4#5#6{#1#2#3}#{#4#5}\xepersian@yekani%
4056 \ifnum#4#5#6>\@ne \fi%
4057 %
4058 \ifnum#7>\z@\ \fi%
4059 \fi%
4060 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
4061 }
4062 \def\xepersian@milyoongan@tartibi#1#2#3{%

```



```

4063 \ifnum#1#2#3=\@ne%
4064 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
4065 %
4066 %
4067 \else%
4068 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4069 %
4070 %
4071 \fi%
4072 }
4073 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
4074 \ifnum#1>\z0%
4075 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4076 %
4077 \ifnum#2#3>\z0\ \fi%
4078 \fi%
4079 \ifnum#2#3<20%
4080 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %else#6{#2#3}\fi\fi\
4081 \else%
4082 \ifnum#2#3=30%
4083 \xepersian@dahgan@tartibi#2%
4084 \else%
4085 \xepersian@dahgan#2%
4086 \fi%
4087 \ifnum#3>\z0\ \xepersian@yekanv#3\fi%
4088 #60%
4089 \fi%
4090 }
4091 \def\xepersian@dahgan@tartibi#1{%
4092 \ifcase#1\or\or\or\or\ %
4093 \or\or\or\or\ %
4094 \or\%fi\
4095 }
4096 \def\xepersian@tartibi#1{%
4097 \ifcase#1\or\or\or\or\ %
4098 \or\or\or\or\or\ %
4099 \or\or\or\or\ %
4100 \or\or\or\ %
4101 \or\or\or\ %fi\
4102 }
4103 \def\xepersian@yekanv#1{%
4104 \ifcase#1\@empty\or\or\or\or\or\or\or\ %
4105 \or\or\or\or\or\or\or\ %
4106 \or\or\or\or\ %
4107 \or\or\%fi\
4108 }
4109 \providecommand*\xpg@warning}[1]{%
4110 \PackageWarning{XePersian}%
4111 {#1}}
4112 \if@bidi@csundef{@abjad}{%
4113 \def\@abjad#1{%
4114 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
4115 \else
4116 \ifnum#1<\z0\space\xpg@warning{Illegal value (#1) for abjad numeral}%

```



```

4117 \else
4118 \ifnum#1<10\expandafter\abj@num@i\number#1%
4119 \else
4120 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4121 \else
4122 \ifnum#1<\@m\expandafter\abj@num@iii\number#1%
4123 \else
4124 \ifnum#1<\@M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4125 \fi
4126 \fi
4127 \fi
4128 \fi
4129 \fi
4130 \fi
4131 }
4132 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4133 \let\abjadnumeral\@abjad
4134 \def\abjad@zero{}
4135 \def\abj@num@i#1{%
4136 \ifcase#1\or or\ or\ or\ %
4137 \or or\ or\ or\ or\ fi\
4138 \ifnum#1=\z@\abjad@zero\fi}
4139 \def\abj@num@ii#1{%
4140 \ifcase#1\or or\ or\ or\ or\ %
4141 \or or\ or\ or\ fi\
4142 \ifnum#1=\z@\fi\abj@num@i}
4143 \def\abj@num@iii#1{%
4144 \ifcase#1\or or\ or\ or\ or\ %
4145 \or or\ or\ or\ fi\
4146 \ifnum#1=\z@\fi\abj@num@ii}
4147 \def\abj@num@iv#1{%
4148 \ifcase#1\or fi\
4149 \ifnum#1=\z@\fi\abj@num@iii}
4150 }{}
4151 \let\@latinalph\@alph%
4152 \let\@latinAlph\@Alph%
4153 \def\LatinAlphs{%
4154 \let\@alph\@latinalph%
4155 \let\@Alph\@latinAlph%
4156 }
4157 \def\thempfootnote{{\itshape\@latinalph\c@mpfootnote}}
4158 \renewcommand*{\bidi@thebibliography@font@hook}{%
4159 \if@LTRbibitems
4160 \resetlatinfont
4161 \fi}
4162 \bidi@AfterEndPreamble{%
4163 \if@bidi@csundef{persianfont}{%
4164 \PackageError{xepersian}{You have not specified any font\MessageBreak
4165 for the main Persian text}{Use ``\settextfont' to load a font.}%
4166 }{}}
4167
4168 \ApplyPatchToFiles{%
4169 footnote-xetex-bidi, %
4170 extrafootnotefeatures-xetex-bidi %

```



```

4171 }[def] [xepersian]
4172
4173 \ApplyPatchToClasses{%
4174   article, %
4175   amsart, %
4176   amsbook, %
4177   artikel1, %
4178   artikel2, %
4179   artikel3, %
4180   beamer, %
4181   bidimoderncv, %
4182   boek, %
4183   boek3, %
4184   book, %
4185   bookest, %
4186   extbook, %
4187   extarticle, %
4188   extreport, %
4189   imsproc, %
4190   memoir, %
4191   rapport1, %
4192   rapport3, %
4193   refrep, %
4194   report, %
4195   scrartcl, %
4196   scrbook, %
4197   screprpt %
4198 }[xepersian]
4199
4200 \ApplyPatchToPackages{%
4201   algorithm, %
4202   algorithmic, %
4203   appendix, %
4204   backref, %
4205   beamerbasetranslator, %
4206   bdituftesidenote, %
4207   breqn, %
4208   enumerate, %
4209   enumitem, %
4210   fancyref, %
4211   framed, %
4212   glossaries, %
4213   hyperref, %
4214   listings, %
4215   minitoc, %
4216   natbib, %
4217   soul, %
4218   tkz-linknodes, %
4219   tocloft, %
4220   url, %
4221   varioref %
4222 }[xepersian]
4223
4224 \newtoks\xepersian@toks

```



```

4225 \def\xepersian@tempa#1{%
4226 \long\def\xepersian@sp@def##1##2{%
4227 \futurelet\xepersian@resa\xepersian@sp@d##2\@nil\@nil#1\@nil\relax##1}%
4228 \long\def\xepersian@sp@d{%
4229 \ifx\xepersian@resa\@sptoken
4230 \expandafter\xepersian@sp@b
4231 \else
4232 \expandafter\xepersian@sp@b\expandafter#1%
4233 \fi}%
4234 \long\def\xepersian@sp@b#1##1 \@nil{\xepersian@sp@c##1}%
4235 }
4236 \xepersian@tempa{ }
4237 \long\def\xepersian@sp@c#1\@nil#2\relax#3{\xepersian@toks{#1}\edef#3{\the\xepersian@toks}}
4238 \def\xepersian@fontsize@branch#1{%
4239 \@tempcnta\z@
4240 \@for\xepersian@tmp:=#1\do{%
4241 \xepersian@sp@def\xepersian@frag{\xepersian@tmp}%
4242 \ifcase\@tempcnta\relax% cnta == 0
4243 \edef\xepersian@value{\xepersian@frag}%
4244 \setfontsize{\xepersian@frag}%
4245 \or% cnta == 1
4246 \setfontsize[\xepersian@frag]{\xepersian@value}%
4247 \else\fi
4248 \advance\@tempcnta\@ne}%
4249 }
4250
4251 \bidi@patchcmd{\setfontsize}{\@tempdimb#2pt}{%
4252 \@tempdimb\xepersian@fontsize@scale\dimexpr#2pt\relax
4253 }{}{}
4254
4255 \bidi@patchcmd{\setfontsize}{\@tempkipa#3pt}{%
4256 \@tempkipa\xepersian@baselineskip@scale\dimexpr#3pt\relax
4257 }{}{}
4258
4259
4260 \newcommand*\xepersian@update@math@fontsize[1]{%
4261 \strip@pt\dimexpr\xepersian@math@fontsize@scale
4262 \dimexpr 1pt * \dimexpr #1 pt\relax /
4263 \dimexpr \xepersian@fontsize@scale pt\relax
4264 \relax\relax
4265 }
4266
4267 \bidi@patchcmd{\getanddefine@font}{%
4268 \xdef\font@name{\csname \string#2/\tf@size\endcsname}%
4269 }{%
4270 \xdef\font@name{\csname \string#2/\xepersian@update@math@fontsize\tf@size\endcsname}%
4271 }{}{}
4272
4273 \bidi@patchcmd{\getanddefine@font}{%
4274 \xdef\font@name{\csname \string#2/\sf@size\endcsname}%
4275 }{%
4276 \xdef\font@name{\csname \string#2/\xepersian@update@math@fontsize\sf@size\endcsname}%
4277 }{}{}
4278

```



```

4279 \bidi@patchcmd{\getanddefine@fonts}{%
4280 \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4281 }{%
4282 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
4283 }{}{}
4284
4285
4286 \if@xepersian@@computeautoilg
4287 \bidi@patchcmd{\set@fontsize}{%
4288 \baselineskip\f@baselineskip\relax
4289 }{%
4290 \baselineskip\f@baselineskip\relax
4291 \xepersian@computeautoilg
4292 \ifdim\xepersian@strutilg>\baselineskip
4293 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4294 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4295 \baselineskip\xepersian@strutilg
4296 \ifdim\footnotesep=.7\baselineskip
4297 \else
4298 \footnotesep=.7\baselineskip
4299 \fi
4300 \fi
4301 }{}{}
4302 \fi
4303
4304 \AtEndOfPackage{%
4305 \setlatintextfont[%
4306 Path,%
4307 BoldFont={lmroman10-bold},%
4308 BoldItalicFont={lmroman10-bolditalic},%
4309 ItalicFont={lmroman10-italic},%
4310 SmallCapsFont={lmromancaps10-regular},%
4311 SlantedFont={lmromanslant10-regular},%
4312 BoldSlantedFont={lmromanslant10-bold}%
4313 ]{lmroman10-regular}
4314 }
4315 \PersianAlphs

```

61 File xepersian-magazine.cls

```

4316 \NeedsTeXFormat{LaTeX2e}
4317 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4318 \RequirePackage{ifthen}
4319 \newlength{\xepersian@imgsize}
4320 \newlength{\xepersian@coltitsize}
4321 \newlength{\xepersian@pageneed}
4322 \newlength{\xepersian@pageleft}
4323 \newlength{\xepersian@indexwidth}
4324 \newcommand{\xepersian@ncolumns}{0}
4325 \newlength{\columnlines}
4326 \setlength{\columnlines}{0 pt} % no lines by default
4327 \newboolean{xepersian@hyphenatedtitles}
4328 \setboolean{xepersian@hyphenatedtitles}{true}
4329 \newboolean{xepersian@ninepoints}

```



```

4330 \setboolean{xepersian@ninepoints}{false}
4331 \newboolean{xepersian@showgrid}
4332 \setboolean{xepersian@showgrid}{false}
4333 \newboolean{xepersian@a3paper}
4334 \setboolean{xepersian@a3paper}{false}
4335 \newboolean{xepersian@insidefrontpage}
4336 \setboolean{xepersian@insidefrontpage}{false}
4337 \newboolean{xepersian@insideweather}
4338 \setboolean{xepersian@insideweather}{false}
4339 \newboolean{xepersian@insideindex}
4340 \setboolean{xepersian@insideindex}{false}
4341 \newcount\xepersian@gridrows
4342 \newcount\xepersian@gridcolumns
4343 \xepersian@gridrows=40
4344 \xepersian@gridcolumns=50
4345 \newcount\minraggedcols
4346 \minraggedcols=5
4347 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4348 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4349 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4350 \DeclareOption{twocolumn}%
4351 {\ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4352 \DeclareOption{notitlepage}%
4353 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4354 \DeclareOption{twoside}%
4355 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4356 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4357 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4358 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
4359 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4360 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4361 \ProcessOptions\relax
4362 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4363 \RequirePackage{ifxetex}
4364 \RequirePackage{multido}
4365 \RequirePackage{datetime}
4366 \RequirePackage{multicol}
4367 \RequirePackage{fancyhdr}
4368 \RequirePackage{fancybox}
4369 \ifthenelse{\boolean{xepersian@a3paper}}{%
4370 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4371 }{
4372 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4373 }
4374 \RequirePackage[absolute]{textpos} % absolute positioning
4375 \RequirePackage{hyphenat} % when hyphenate
4376 \RequirePackage{lastpage} % to know the last page number
4377 \RequirePackage{setspace} % set space between lines
4378 \RequirePackage{ragged2e}
4379 \newcommand{raggedFormat}{\RaggedLeft}
4380 \AtEndOfClass{xepersianInit}
4381 \ifthenelse{\boolean{xepersian@showgrid}}{%
4382 \AtBeginDocument{
4383 \grid[show]{\xepersian@gridrows}{\xepersian@gridcolumns}}

```



```

4384 \advance\minraggedcols by -1
4385 }{%
4386 \AtBeginDocument{
4387 \grid[]{\xepersian@gridrows}{\xepersian@gridcolumns}}
4388 \advance\minraggedcols by -1
4389 }
4390 \ifthenelse{\boolean{xepersian@ninepoints}}{
4391 \renewcommand{\normalsize}{%
4392 \setfontsize{\normalsize}{9pt}{10pt}%
4393 \setlength{\abovedisplayskip}{5pt plus 1pt minus .5pt}%
4394 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4395 \setlength{\abovedisplayshortskip}{3pt plus 1pt minus 2pt}%
4396 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4397
4398 \renewcommand{\tiny}{\setfontsize{\tiny}{5pt}{6pt}}
4399
4400 \renewcommand{\scriptsize}{\setfontsize{\scriptsize}{7pt}{8pt}}
4401
4402 \renewcommand{\small}{%
4403 \setfontsize{\small}{8pt}{9pt}%
4404 \setlength{\abovedisplayskip}{4pt plus 1pt minus 1pt}%
4405 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4406 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4407 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4408
4409 \renewcommand{\footnotesize}{%
4410 \setfontsize{\footnotesize}{8pt}{9pt}%
4411 \setlength{\abovedisplayskip}{4pt plus 1pt minus .5pt}%
4412 \setlength{\belowdisplayskip}{\abovedisplayskip}%
4413 \setlength{\abovedisplayshortskip}{2pt plus 1pt}%
4414 \setlength{\belowdisplayshortskip}{\abovedisplayshortskip}}
4415
4416 \renewcommand{\large}{\setfontsize{\large}{11pt}{13pt}}
4417 \renewcommand{\Large}{\setfontsize{\Large}{14pt}{18pt}}
4418 \renewcommand{\LARGE}{\setfontsize{\LARGE}{18pt}{20pt}}
4419 \renewcommand{\huge}{\setfontsize{\huge}{20pt}{25pt}}
4420 \renewcommand{\Huge}{\setfontsize{\Huge}{25pt}{30pt}}
4421 }{}}
4422 \def\customwwwTxt#1{\gdef\customwwwTxt{\lr{#1}}}
4423 \newcommand{\xepersian@wwwFormat}{\sffamily}
4424 \newcommand{\xepersian@www}{%
4425 \raisebox{-3pt}{\xepersian@wwwFormat\@customwwwTxt}}
4426 }
4427 \newcommand{\xepersian@edition}{ {
4428 \newcommand{\editionFormat}{\large\bfseries\texttt}
4429 \newcommand{\xepersian@editionLogo}{%
4430 \raisebox{-3pt}{%
4431 {\editionFormat\xepersian@edition}%
4432 }%
4433 }
4434 \newcommand{\indexFormat}{\large\bfseries}
4435 \newcommand{\xepersian@indexFrameTitle}[1]
4436 {\begin{flushright}{\indexFormat #1}\end{flushright}}
4437

```




```

4438 \newcommand{\indexEntryFormat}{\normalsize}
4439 \newcommand{\xepersian@indexEntry}[1]{\begin{minipage}{13\TPHorizModule}%
4440 {\indexEntryFormat\noindent\ignorespaces{#1}}%
4441 \end{minipage}}
4442 \newcommand{\indexEntrySeparator}{\rule{\xepersian@indexwidth}{.1pt}}
4443 \newcommand{\indexEntryPageTxt}{ }
4444 \newcommand{\indexEntryPageFormat}{\footnotesize}
4445 \newcommand{\xepersian@indexEntryPage}[1]{%
4446 {\indexEntryPageFormat{\indexEntryPageTxt}{~#1}}%
4447 }
4448 \newcommand{\headDateTimeFormat}{}
4449 \newcommand{\xepersian@headDateTime}{%
4450 \headDateTimeFormat\date\hspace{5pt}$\parallel$\hspace{5pt}%
4451 \currenttime %
4452 }
4453 \newcommand{\weatherFormat}{\bfseries}
4454 \newcommand{\xepersian@weather}[1]{%
4455 \noindent{\weatherFormat #1}%
4456 }
4457 \newcommand{\weatherTempFormat}{\small}
4458 \newcommand{\weatherUnits}{\textdegree}{C}
4459 \newcommand{\xepersian@section}[0]{ {
4460 \newcommand{\xepersian@headleft}{%
4461 {\small\bfseries \@custommagazine}\ \date
4462 }
4463 \newcommand{\xepersian@headcenter}{%
4464 \xepersian@section}
4465 }
4466 \newcommand{\xepersian@headright}{%
4467 \small\xepersian@edition%
4468 \hspace*{5pt}\beginL\thepage\ / \pageref{LastPage}\endL
4469 }
4470
4471 \newcommand{\heading}[3]{%
4472 \renewcommand{\xepersian@headleft}{\beginR#1\endR}%
4473 \renewcommand{\xepersian@headcenter}{\beginR#2\endR}%
4474 \renewcommand{\xepersian@headright}{\beginR#3\endR}%
4475 }
4476 \newcommand{\xepersian@footright}{%
4477 {\footnotesize\lr{\copyright\ \@customwwwTxt{}}-- - \lr{\XePersian}}%
4478 }
4479 \newcommand{\xepersian@footcenter}{%
4480 }
4481 \newcommand{\xepersian@footleft}{%
4482 }
4483
4484 \newcommand{\foot}[3]{%
4485 \renewcommand{\xepersian@footleft}{\beginR#1\endR}%
4486 \renewcommand{\xepersian@footcenter}{\beginR#2\endR}%
4487 \renewcommand{\xepersian@footright}{\beginR#3\endR}%
4488 }
4489 \newcommand{\firstTitleFormat}{\Huge\bfseries\flushright}
4490 \newcommand{\xepersian@firstTitle}[1]{%
4491 {%

```



```

4492 \begin{spacing}{2.0}{%
4493 \noindent\ignorespaces
4494 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4495 {\nohyphens{\firstTitleFormat #1}}%
4496 {\firstTitleFormat #1}}%
4497 }%
4498 \end{spacing}%
4499 }%
4500 }
4501 \newcommand{\firstTextFormat}{}
4502 \newcommand{\xepersian@firstText}[1]{%
4503 {\noindent\ignorespaces\firstTextFormat #1}}%
4504 }
4505 \newcommand{\secondTitleFormat}{\LARGE\bfseries}
4506 \newcommand{\xepersian@secondTitle}[1]{%
4507 \begin{spacing}{1.5}{%
4508 \noindent\ignorespaces\flushright
4509 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4510 {\nohyphens{\secondTitleFormat #1}}%
4511 {\secondTitleFormat #1}}%
4512 }\end{spacing}%
4513 }
4514 \newcommand{\secondSubtitleFormat}{\large}
4515 \newcommand{\xepersian@secondSubtitle}[1]{%
4516 {\noindent\ignorespaces{\secondSubtitleFormat #1}}%
4517 }
4518 \newcommand{\secondTextFormat}{}
4519 \newcommand{\xepersian@secondText}[1]{%
4520 \begin{multicols}{2}
4521 {\noindent\ignorespaces\secondTextFormat #1}
4522 \end{multicols}
4523 }
4524 \newcommand{\thirdTitleFormat}{\Large\bfseries}
4525 \newcommand{\xepersian@thirdTitle}[1]{%
4526 \begin{spacing}{1.5}{%
4527 \noindent\ignorespaces\flushright
4528 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4529 {\nohyphens{\thirdTitleFormat #1}}%
4530 {\thirdTitleFormat #1}}%
4531 }\end{spacing}%
4532 }
4533 \newcommand{\thirdSubtitleFormat}{\large}
4534 \newcommand{\xepersian@thirdSubtitle}[1]{%
4535 {\noindent\ignorespaces\thirdSubtitleFormat #1}}
4536 \newcommand{\thirdTextFormat}{}
4537 \newcommand{\xepersian@thirdText}[1]{\thirdTextFormat #1}}
4538 \newcommand{\pictureCaptionFormat}{\small\bfseries}
4539 \newcommand{\xepersian@pictureCaption}[1]{%
4540 {\noindent\pictureCaptionFormat #1}}%
4541 }
4542 \newcommand{\pagesFormat}{\bfseries\footnotesize}
4543 \newcommand{\xepersian@pages}[1]{%
4544 {\noindent{\pagesFormat\MakeUppercase{#1}}}}
4545 \newcommand{\innerTitleFormat}{\Huge}

```



```

4546 \newcommand{\xepersian@innerTitle}[1]{%
4547 \begin{flushright}{%
4548 \noindent
4549 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4550 {\nohyphens{\innerTitleFormat #1}}%
4551 {\innerTitleFormat #1}}%
4552 }%
4553 \\%
4554 \end{flushright}%
4555 }
4556 \newcommand{\innerSubtitleFormat}{\large}
4557 \newcommand{\xepersian@innerSubtitle}[1]{\innerSubtitleFormat #1}}
4558 \newcommand{\timestampTxt}{%
4559 \newcommand{\timestampSeparator}{|}
4560 \newcommand{\timestampFormat}{\small}
4561 \newcommand{\timestamp}[1]{%
4562 {\timestampFormat%
4563 #1~\timestampTxt}%
4564 }~\timestampSeparator}%
4565 }
4566 \newcommand{\innerAuthorFormat}{\footnotesize}
4567 \newcommand{\innerPlaceFormat}{\footnotesize\bfseries}
4568 \newcommand{\innerTextFinalMark}{\rule{0.65em}{0.65em}}
4569 \newcommand{\editorialTitleFormat}{\LARGE\textit}
4570 \newcommand{\xepersian@editorialTitle}[1]{\editorialTitleFormat{#1}}
4571 \newcommand{\editorialAuthorFormat}{\textsc}
4572 \newcommand{\shortarticleTitleFormat}{\LARGE\bfseries}
4573 \newcommand{\xepersian@shortarticleTitle}[1]{\shortarticleTitleFormat #1}}
4574 \newcommand{\shortarticleSubtitleFormat}{\Large}
4575 \newcommand{\xepersian@shortarticleSubtitle}[1]{\shortarticleSubtitleFormat #1}}
4576 \newcommand{\shortarticleItemTitleFormat}{\large\bfseries}
4577 \newcommand{\xepersian@shortarticleItemTitle}[1]{\shortarticleItemTitleFormat #1}}
4578 \renewcommand{\maketitle}{\begin{titlepage}%
4579 \let\footnotesize\small
4580 \let\footnoterule\relax
4581 \let\footnote\thanks
4582 \null\vfil
4583 \vskip 60\p@
4584 \begin{center}%
4585 {\LARGE \@title \par}%
4586 \vskip 1em%
4587 {\LARGE «\xepersian@edition» \par}%
4588 \vskip 3em%
4589 {\large
4590 \lineskip .75em%
4591 \begin{tabular}[t]{c}%
4592 \@author
4593 \end{tabular}\par}%
4594 \vskip 1.5em%
4595 {\large \@date \par}%
4596 \end{center}\par
4597 \@thanks
4598 \vfil\null
4599 \end{titlepage}%

```



```

4600 \setcounter{footnote}{0}%
4601 \global\let\thanks\relax
4602 \global\let\maketitle\relax
4603 \global\let\@thanks\@empty
4604 \global\let\@author\@empty
4605 \global\let\@date\@empty
4606 \global\let\@title\@empty
4607 \global\let\title\relax
4608 \global\let\author\relax
4609 \global\let\date\relax
4610 \global\let\and\relax
4611 }
4612 \newcommand{\xepersian@say}[1]{\typeout{#1}}
4613 \newsavebox{\xepersian@fmbbox}
4614 \newenvironment{xepersian@fmpage}[1]
4615 {\begin{lrbox}{\xepersian@fmbbox}\begin{minipage}{#1}}
4616 {\end{minipage}\end{lrbox}\fbox{\usebox{\xepersian@fmbbox}}}
4617 \newcommand{\image}[2]{
4618 \vspace{5pt}
4619 \setlength{\fboxsep}{1pt}
4620 \addtolength{\xepersian@imgsize}{\columnwidth}
4621 \addtolength{\xepersian@imgsize}{-1\columnsep}
4622 \ifxetex
4623 \setlength{\xepersian@pageneed}{1.5\xepersian@imgsize}
4624 \addtolength{\xepersian@pageneed}{50pt}
4625 \ClassWarning{xepersian-magazine}{%
4626 Image #1 needs: \the\xepersian@pageneed \space %
4627 and there is left: \the\page@free\space%
4628 }
4629 \ifdim \xepersian@pageneed < \page@free
4630
4631 {\centering\fbox{%
4632 \includegraphics[width = \xepersian@imgsize,
4633 height = \xepersian@imgsize,
4634 keepaspectratio ]{#1}}}
4635 \xepersian@pictureCaption{#2}
4636
4637 \vspace{5pt}
4638 \else
4639 \ClassWarning{Image #1 needs more space!%
4640 It was not inserted!}
4641 \fi
4642 \fi
4643 }
4644 \textblockorigin{1cm}{1cm}
4645 \newdimen\xepersian@dx
4646 \newdimen\xepersian@dy
4647 \newcount\xepersian@cx
4648 \newcount\xepersian@cy
4649 \newcommand{\grid}[3][ ]{
4650 \xepersian@dx=\textwidth%
4651 \xepersian@dy=\textheight%
4652 \xepersian@cx=#3% %columns
4653 \xepersian@cy=#2% %rows

```



```

4654
4655 \count1=#3%
4656 \advance\count1 by 1
4657
4658 \count2=#2%
4659 \advance\count2 by 1
4660
4661 \divide\xepersian@dx by #3
4662 \divide\xepersian@dy by #2
4663
4664 \setlength{\TPHorizModule}{\xepersian@dx}
4665 \setlength{\TPVertModule}{\xepersian@dy}
4666
4667 \ifthenelse{\equal{#1}{show}}{
4668 \multido{\xepersian@nrow=0+1}{\count2}{
4669 \begin{textblock}{\xepersian@cx}(0,\xepersian@nrow)
4670 \rule[0pt]{\textwidth}{.1pt}
4671 \end{textblock}
4672 }
4673
4674 \multido{\xepersian@ncol=0+1}{\count1}{
4675 \begin{textblock}{\xepersian@cy}(\xepersian@ncol,0)
4676 \rule[0pt]{.1pt}{\textheight}
4677 \end{textblock}
4678 }
4679 }{ }
4680 }
4681 \newcommand{\xepersianInit}{
4682 \setlength{\headheight}{14pt}
4683 \renewcommand{\headrulewidth}{0.4pt}
4684
4685 \pagestyle{fancy}
4686
4687 \setlength{\columnseprule}{\columnlines}
4688 \setlength{\fboxrule}{0.1 pt}
4689
4690 }
4691
4692 \def\customlogo#1{\gdef\@customlogo{\beginR#1\endR}}
4693 \def\customminilogo#1{\gdef\@customminilogo{\beginR#1\endR}}
4694 \def\custommagaziname#1{\gdef\@custommagaziname{\beginR#1\endR}}
4695 \newcommand{\logo}[0]{
4696 %% Heading %%
4697 \noindent\hrulefill\hspace{10pt}\xepersian@editionLogo\hspace{5pt}\xepersian@www
4698
4699 \vspace*{-3pt}
4700
4701 {\Large\bfseries \@customlogo}
4702 \hrulefill
4703 \hspace{10pt}\xepersian@headDateTime
4704
4705 }
4706 \newcommand{\minilogo}[0]{
4707 {\large\bfseries \@customminilogo}

```



```

4708
4709 \vspace*{5pt}
4710 }
4711 \newcommand{\mylogo}[1]{
4712 {\beginR#1\endR}
4713
4714 \noindent
4715 \xepersian@editionLogo\hspace{5pt}
4716 \hrulefill
4717 \hspace{5pt}\xepersian@headDateTime
4718 }
4719 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4720 \newenvironment{frontpage}[0]
4721 {
4722 \setboolean{xepersian@insidefrontpage}{true}
4723 \thispagestyle{empty}
4724 \logo
4725
4726 }%
4727 {
4728 \thispagestyle{empty}
4729 \clearpage
4730 \newpage
4731 \fancyhead{}
4732 \fancyfoot{}
4733 \fancyhead[RO,LE]{\beginR\xepersian@headright\endR}
4734 \fancyhead[LO,RE]{\beginR\xepersian@headleft\endR}
4735 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4736 \fancyfoot[RO,LE]{\beginR\xepersian@footright\endR}
4737 \fancyfoot[LO,RE]{\beginR\xepersian@footleft\endR}
4738 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4739 \renewcommand{\headrulewidth}{0.4pt}
4740 \setboolean{xepersian@insidefrontpage}{false}
4741
4742 }
4743 \newcommand{\firstarticle}[3]
4744 {
4745 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4746 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4747 \begin{textblock}{24}(22,5)
4748 }
4749 {
4750 \begin{textblock}{28}(22,5)
4751 }
4752 \vspace{-7pt}
4753 \xepersian@firstTitle{#1}
4754 \end{textblock}
4755 \begin{textblock}{29}(22,10)
4756 \vspace{5pt plus 2pt minus 2pt}
4757
4758 \xepersian@firstText{\timestamp{#3}~#2}
4759
4760 \end{textblock}
4761

```



```

4762 \begin{textblock}{50}(0,15)
4763 \rule{50\TPHorizModule}{.3pt}
4764 \end{textblock}
4765 }{%else
4766 \ClassError{xepersian-magazine}{%
4767 \protect\firstarticle\space in a wrong place.\MessageBreak
4768 \protect\firstarticle\space may only appear inside frontpage environment.
4769 }{%
4770 \protect\firstarticle\space may only appear inside frontpage environment.
4771 }%
4772 }
4773 }
4774 \newcommand{\secondarticle}[5]
4775 {
4776 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4777 \begin{textblock}{33}(2,16)
4778 \xepersian@pages{#4}
4779 \vspace{-5pt}
4780 \xepersian@secondTitle{#1}
4781
4782 \vspace*{5pt}
4783
4784 \xepersian@secondSubtitle{#2}
4785
4786 \vspace*{-7pt}
4787
4788 \xepersian@secondText{\timestamp{#5}~#3}
4789
4790 \end{textblock}
4791
4792 \begin{textblock}{33}(2,25)
4793 \vspace{5pt plus 2pt minus 2pt}
4794
4795 \noindent\ignorespaces\rule{33\TPHorizModule}{.3pt}
4796 \end{textblock}
4797 }{%else
4798 \ClassError{xepersian-magazine}{%
4799 \protect\secondarticle\space in a wrong place.\MessageBreak
4800 \protect\secondarticle\space may only appear inside frontpage environment.
4801 }{%
4802 \protect\secondarticle\space may only appear inside frontpage environment.
4803 }%
4804 }
4805 }
4806 \newcommand{\thirdarticle}[6]
4807 {
4808 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4809 \begin{textblock}{32}(2,26)
4810 \xepersian@pages{#5}
4811 \vspace{-5pt}
4812 \setlength{\fboxsep}{1pt}
4813 \xepersian@thirdTitle{#1}
4814
4815 \vspace*{5pt}

```



```

4816
4817 \xepersian@thirdSubtitle{#2}
4818
4819 \vspace*{5pt}
4820
4821 {\noindent\ignorespaces %
4822 \ifthenelse{\equal{#4}{}}{}}
4823
4824 \xepersian@thirdText{\timestamp{#6}~#3}
4825
4826 }
4827
4828 \vspace*{5pt}
4829
4830 \end{textblock}
4831 }{%else
4832 \ClassError{xepersian-magazine}{%
4833 \protect\thirdarticle\space in a wrong place.\MessageBreak
4834 \protect\thirdarticle\space may only appear inside frontpage environment.
4835 }{%
4836 \protect\thirdarticle\space may only appear inside frontpage environment.
4837 }%
4838 }
4839 }
4840 \newcommand{\firstimage}[2]
4841 {
4842 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4843 \begin{textblock}{18}(2,5)
4844 \setlength{\fboxsep}{1pt}
4845 \ifxetex % only in PDF
4846 \noindent\fbox{\includegraphics[width = 18\TPHorizModule ]{#1}}
4847 \fi
4848
4849 \xepersian@pictureCaption{#2}
4850 \end{textblock}}%
4851 }
4852 {\ClassError{xepersian-magazine}{%
4853 \protect\firstimage\space in a wrong place.\MessageBreak
4854 \protect\firstimage\space may only appear inside frontpage environment.
4855 }{%
4856 \protect\firstimage\space may only appear inside frontpage environment.
4857 }}
4858 }%
4859 \newcommand{\weatheritem}[5]{%
4860 \ifthenelse{\boolean{xepersian@insideweather}}{
4861 \begin{minipage}{45pt}
4862 \ifxetex
4863 \includegraphics[width=40pt]{#1}
4864 \fi
4865 \end{minipage}
4866 \begin{minipage}{50pt}
4867 \weatherTempFormat
4868 #2\\
4869 \beginL#3 $\!$ #4 \lr{\weatherUnits{}}\endL\\

```




```

4870 #5
4871 \end{minipage}
4872 }{%else
4873 \ClassError{xepersian-magazine}{%
4874 \protect\weatheritem\space in a wrong place.\MessageBreak
4875 \protect\weatheritem\space may only appear inside weatherblock environment.
4876 }{%
4877 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4878 weatherblock environment may only appear inside frontpage environment.
4879 }%
4880 }
4881 }
4882 \newenvironment{weatherblock}[1]
4883 {
4884 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4885 \setboolean{xepersian@insideweather}{true}
4886 \begin{textblock}{32}(2,38)
4887 \vspace*{-15pt}
4888
4889 \xepersian@weather{\beginR#1\endR}
4890
4891 \vspace*{5pt}
4892
4893 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4894 \begin{minipage}{32\TPHorizModule}
4895 \hspace{5pt}
4896
4897 }{%
4898 \ClassError{xepersian-magazine}{%
4899 weatherblock in a wrong place.\MessageBreak
4900 weatherblock may only appear inside frontpage environment.
4901 }{%
4902 weatherblock may only appear inside frontpage environment.
4903 }
4904 }
4905 }%
4906 {
4907 \end{minipage}
4908 \end{xepersian@fmpage}
4909 \end{textblock}
4910 \setboolean{xepersian@insideweather}{false}
4911 }
4912 \newenvironment{authorblock}[0]
4913 {
4914 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4915 \begin{textblock}{15}(36,35)
4916 \setlength{\fboxsep}{5pt}
4917 \begin{xepersian@fmpage}{13\TPHorizModule}
4918 \begin{minipage}{13\TPHorizModule}
4919 \centering
4920 \minilogo
4921
4922 }{%else
4923 \ClassError{xepersian-magazine}{%

```



```

4924 authorblock in a wrong place.\MessageBreak
4925 authorblock may only appear inside frontpage environment.
4926 }{%
4927 authorblock may only appear inside frontpage environment.
4928 }
4929 }
4930 }
4931 {
4932 \end{minipage}
4933 \end{xepersian@fmpage}
4934 \end{textblock}
4935 }
4936 \newenvironment{indexblock}[1]
4937 {
4938 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4939 \setboolean{xepersian@insideindex}{true}%let's in
4940 \begin{textblock}{15}(36,16)
4941 \setlength{xepersian@indexwidth}{13\TPHorizModule}
4942 \xepersian@indexFrameTitle{#1}
4943
4944 \setlength{\fboxsep}{5pt} %espacio entre el frame y la imagen
4945 \begin{xepersian@fmpage}{xepersian@indexwidth}
4946 \begin{minipage}{xepersian@indexwidth}
4947 \vspace*{10pt}
4948 }{%else
4949 \ClassError{xepersian-magazine}{%
4950 indexblock in a wrong place.\MessageBreak
4951 indexblock may only appear inside frontpage environment.
4952 }{%
4953 indexblock may only appear inside frontpage environment.
4954 }
4955 }
4956 }{%
4957 {
4958 \end{minipage}
4959 \end{xepersian@fmpage}
4960 \end{textblock}
4961 \setboolean{xepersian@insideindex}{false}%let's out
4962 }
4963 \newcommand{\indexitem}[2]
4964 {
4965 \ifthenelse{\boolean{xepersian@insideindex}}{
4966 \xepersian@indexEntry{#1 \xepersian@indexEntryPage{\pageref{#2}}}
4967
4968 \vspace{0.5cm}
4969
4970 \noindent\ignorespaces\indexEntrySeparator{
4971 }{%else
4972 \ClassError{xepersian-magazine}{%
4973 \protect\indexitem\space in a wrong place.\MessageBreak
4974 \protect\indexitem\space may only appear inside indexblock environment.
4975 }{%
4976 \protect\indexitem\space may only appear inside indexblock environment.\MessageBreak
4977 indexblock environment may only appear inside frontpage environment.

```



```

4978 }%
4979 }
4980 }
4981 \newcommand{\xepersian@inexpandedtitle}[1]{
4982 \begin{minipage}{.95\textwidth}
4983 \begin{center}
4984 \noindent\Large\textbf{\beginR#1\endR}
4985 \end{center}
4986 \end{minipage}
4987 }
4988 \newcommand{\expandedtitle}[2]{
4989 \end{multicols}
4990
4991 \begin{center}
4992 \setlength{\fboxsep}{5pt}
4993 \setlength{\shadowsize}{2pt}
4994 \ifthenelse{\equal{#1}{shadowbox}}{%
4995 \shadowbox{%
4996 \xepersian@inexpandedtitle{#2}%
4997 }%
4998 }{}
4999 \ifthenelse{\equal{#1}{doublebox}}{%
5000 \doublebox{%
5001 \xepersian@inexpandedtitle{#2}%
5002 }%
5003 }{}
5004 \ifthenelse{\equal{#1}{ovalbox}}{%
5005 \ovalbox{%
5006 \xepersian@inexpandedtitle{#2}%
5007 }%
5008 }{}
5009 \ifthenelse{\equal{#1}{Ovalbox}}{%
5010 \Ovalbox{%
5011 \xepersian@inexpandedtitle{#2}%
5012 }%
5013 }{}
5014 \ifthenelse{\equal{#1}{lines}}{
5015 \hrule
5016 \vspace*{8pt}
5017 \begin{center}
5018 \noindent\Large\textbf{#2}
5019 \end{center}
5020 \vspace*{8pt}
5021 \hrule
5022 }{}
5023 \end{center}
5024
5025 \begin{multicols}{\xepersian@ncolumns}
5026 \ifnum \xepersian@ncolumns > \minraggedcols
5027 \raggedFormat
5028 \fi
5029 }
5030 \newcommand{\xepersian@incolumntitle}[2]{
5031 \begin{minipage}{#1}

```



```

5032 \begin{center}
5033 \noindent\normalsize\textbf{#2}
5034 \end{center}
5035 \end{minipage}
5036 }
5037
5038 \newcommand{\columntitle}[2]{
5039 \vspace*{5pt}
5040 \begin{center}
5041 \setlength{\fboxsep}{5pt}
5042 \setlength{\shadowsize}{2pt}
5043 \addtolength{\xepersian@coltitsize}{\columnwidth}
5044 \addtolength{\xepersian@coltitsize}{-1\columnsep}
5045 \addtolength{\xepersian@coltitsize}{-5pt}
5046 \addtolength{\xepersian@coltitsize}{-1\shadowsize}
5047 \ifthenelse{\equal{#1}{shadowbox}}{%
5048 \shadowbox{%
5049 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5050 }%
5051 }{
5052 \ifthenelse{\equal{#1}{doublebox}}{%
5053 \doublebox{%
5054 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5055 }%
5056 }{
5057 \ifthenelse{\equal{#1}{ovalbox}}{%
5058 \ovalbox{%
5059 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5060 }%
5061 }{
5062 \ifthenelse{\equal{#1}{Ovalbox}}{%
5063 \Ovalbox{%
5064 \xepersian@incolumntitle{\xepersian@coltitsize}{#2}%
5065 }%
5066 }{
5067 \ifthenelse{\equal{#1}{lines}}{
5068 \hrule
5069 \vspace*{5pt}
5070 \begin{center}
5071 \noindent\normalsize\textbf{#2}
5072 \end{center}
5073 \vspace*{5pt}
5074 \hrule
5075 }{
5076 \end{center}
5077 }
5078 \renewcommand{\date}{%
5079 \longdate{\today}%
5080 }
5081 \newcommand{\authorandplace}[2]{%
5082 \rightline{%
5083 {\innerAuthorFormat #1},\space{}{\innerPlaceFormat #2}%
5084 }%
5085 \par %

```



```

5086 }
5087 \newcommand{\newsection}[1]{
5088 \renewcommand{\xepersian@section}{#1}
5089 }
5090 \newenvironment{article}[5]
5091 {
5092 \xepersian@say{Adding a new piece of article}
5093 \renewcommand{\xepersian@ncolumns}{#1}
5094 \begin{multicols}{#1}[
5095 \xepersian@pages{#4}
5096 \xepersian@innerTitle{#2}%
5097 \xepersian@innerSubtitle{#3}%
5098 ] [4cm]%
5099 \label{#5}
5100 \ifnum #1 > \minraggedcols
5101 \raggedFormat
5102 \fi
5103 }
5104 {-\innerTextFinalMark{}}
5105 \end{multicols}
5106 }
5107 \newcommand{\articlesep}{%
5108 \setlength{\xepersian@pageneed}{16000pt}
5109 \setlength\xepersian@pageleft{\pagegoal}
5110 \addtolength\xepersian@pageleft{-\pagetotal}
5111
5112 \xepersian@say{How much left \the\xepersian@pageleft}
5113
5114 \ifdim \xepersian@pageneed < \xepersian@pageleft
5115 \xepersian@say{Not enough space}
5116 \else
5117 \xepersian@say{Adding sep line between articles}
5118 \vspace*{10pt plus 10pt minus 5pt}
5119 \hrule
5120 \vspace*{10pt plus 5pt minus 5pt}
5121 \fi
5122
5123 }
5124 \newcommand{\xepersian@editorialTit}[2]{
5125 \setlength{\arrayrulewidth}{.1pt}
5126 \begin{center}
5127 \begin{tabular}{c}
5128 \noindent
5129 \xepersian@editorialTitle{#1}
5130 \vspace{2pt plus 1pt minus 1pt}
5131 \\
5132 \hline
5133 \vspace{2pt plus 1pt minus 1pt}
5134 \\
5135 \editorialAuthorFormat{#2}
5136 \end{tabular}
5137 \end{center}
5138 }
5139 \newenvironment{editorial}[4]

```



```

5140 {
5141 \xepersian@say{Adding a new editorial}
5142 \begin{multicols}{#1}[%
5143 \xepersian@editorialTit{#2}{#3}%
5144 ] [4cm]
5145 \label{#4}
5146 \ifnum #1 > \minraggedcols
5147 \raggedFormat
5148 \fi
5149 }
5150 {
5151 \end{multicols}
5152 }
5153 \newcommand{\xepersian@shortarticleTit}[2]{
5154 \begin{center}
5155 \vbox{%
5156 \noindent
5157 \xepersian@shortarticleTitle{#1}
5158 \vspace{4pt plus 2pt minus 2pt}
5159 \hrule
5160 \vspace{4pt plus 2pt minus 2pt}
5161 \xepersian@shortarticleSubtitle{#2}
5162 }
5163 \end{center}
5164 }
5165 \newenvironment{shortarticle}[4]
5166 {
5167 \xepersian@say{Adding a short article block}
5168 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
5169 \label{#4}
5170 \par %
5171 \ifnum #1 > \minraggedcols
5172 \raggedFormat
5173 \fi
5174 }
5175 {
5176 \end{multicols}
5177 }
5178 \newcommand{\shortarticleitem}[2]{
5179 \goodbreak
5180 \vspace{5pt plus 3pt minus 3pt}
5181 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5182 \vspace{5pt plus 3pt minus 3pt}
5183 {\noindent #2}\
5184 }

```

62 File xepersian-mathdigitsspec.sty

```

5185 \NeedsTeXFormat{LaTeX2e}
5186 \ProvidesPackage{xepersian-mathdigitsspec}
5187 [2025/01/01 v1.2.1 Unicode Persian math digits in XeLaTeX]
5188 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5189 \let\newfam\new@mathgroup
5190 \def\select@group#1#2#3#4{%

```



```

5191 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5192 {%
5193 \ifmode
5194 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5195 \begingroup
5196 \escapechar\m@ne
5197 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5198 \globaldefs\@ne \math@fonts
5199 \endgroup
5200 \init@restore@version
5201 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5202 {\number\csname c@mv@\math@version\endcsname}}}%
5203 \global\advance\csname c@mv@\math@version\endcsname\@ne
5204 \else
5205 \let#1\relax
5206 \@latex@error{Too many math alphabets used in
5207 version \math@version}%
5208 \@eha
5209 \fi
5210 \else \expandafter\non@alpherr\fi
5211 #1{#4}%
5212 }%
5213 }
5214 \def\document@select@group#1#2#3#4{%
5215 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5216 {%
5217 \ifmode
5218 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5219 \begingroup
5220 \escapechar\m@ne
5221 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5222 \globaldefs\@ne \math@fonts
5223 \endgroup
5224 \expandafter\extract@alph@from@version
5225 \csname mv@\math@version\expandafter\endcsname
5226 \expandafter{\number\csname
5227 c@mv@\math@version\endcsname}}%
5228 #1%
5229 \global\advance\csname c@mv@\math@version\endcsname\@ne
5230 \else
5231 \let#1\relax
5232 \@latex@error{Too many math alphabets used
5233 in version \math@version}%
5234 \@eha
5235 \fi
5236 \else \expandafter\non@alpherr\fi
5237 #1{#4}%
5238 }%
5239 }
5240 \ExplSyntaxOn
5241 \bool_set_false:N \g__fontspec_math_bool
5242 \tl_map_inline:nn
5243 {
5244 \new@mathgroup\cdp@list\cdp@elt\DeclareMathSizes

```



```

5245 \@DeclareMathSizes\newmathalphabet\newmathalphabet@@\newmathalphabet@@@
5246 \DeclareMathVersion\define@mathalphabet\define@mathgroup\addtoversion
5247 \version@list\version@elt\alpha@list\alpha@elt
5248 \restore@mathversion\init@restore@version\dorestore@version\process@table
5249 \new@mathversion\DeclareSymbolFont\group@list\group@elt
5250 \new@symbolfont\SetSymbolFont\SetSymbolFont@get@cdp
5251 \DeclareMathAlphabet\new@mathalphabet\SetMathAlphabet\SetMathAlphabet@
5252 \DeclareMathAccent\set@mathaccent\DeclareMathSymbol\set@mathchar
5253 \set@mathsymbol\DeclareMathDelimiter\@xxDeclareMathDelimiter
5254 \@DeclareMathDelimiter\@xDeclareMathDelimiter\set@mathdelimiter
5255 \set@mathdelimiter\DeclareMathRadical\mathchar@type
5256 \DeclareSymbolFontAlphabet\DeclareSymbolFontAlphabet@
5257 }
5258 {
5259 \tl_remove_once:Nn \@preamblecmds {\do#1}
5260 }
5261 \ExplSyntaxOff
5262 \newcommand\xepersian@PackageInfo[1]{\PackageInfo{xepersian-mathdigitspec}{#1}}
5263 \newcommand\SetMathCode[4]{%
5264 \Umathcode#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5265 \newcommand\SetMathCharDef[4]{%
5266 \Umathchardef#1="\mathchar@type#2 \csname sym#3\endcsname #4\relax}
5267 \ExplSyntaxOn
5268 \cs_new_eq:NN \orig_mathbf:n \mathbf
5269 \cs_new_eq:NN \orig_mathit:n \mathit
5270 \cs_new_eq:NN \orig_mathrm:n \mathrm
5271 \cs_new_eq:NN \orig_mathsfn \mathsf
5272 \cs_new_eq:NN \orig_mathtt:n \mathtt
5273 %\int_const:Nn \c_one_int { 1 }
5274 \NewDocumentCommand \new@mathbf { m } {
5275 \orig_mathbf:n {
5276 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5277 \mathcode ##1 = \numexpr "100 * \symnew@mathbf@font@digits + ##1 \relax
5278 }
5279 #1
5280 }
5281 }
5282 \NewDocumentCommand \new@mathit { m } {
5283 \orig_mathit:n {
5284 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5285 \mathcode ##1 = \numexpr "100 * \symnew@mathit@font@digits + ##1 \relax
5286 }
5287 #1
5288 }
5289 }
5290 \NewDocumentCommand \new@mathrm { m } {
5291 \orig_mathrm:n {
5292 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5293 \mathcode ##1 = \numexpr "100 * \symnew@mathrm@font@digits + ##1 \relax
5294 }
5295 #1
5296 }
5297 }
5298 \NewDocumentCommand \new@mathsf { m } {

```




```

5299 \orig_mathsf:n {
5300   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5301     \mathcode ##1 = \numexpr "100 * \symnew@mathsf@font@digits + ##1 \relax
5302   }
5303   #1
5304 }
5305 }
5306 \NewDocumentCommand \new@mathtt{ m } {
5307   \orig_mathtt:n {
5308     \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5309       \mathcode ##1 = \numexpr "100 * \symnew@mathtt@font@digits + ##1 \relax
5310     }
5311     #1
5312   }
5313 }
5314
5315 \cs_new:Npn \__xepersian_mathdigitsspec_error:nxx { \msg_error:nxxx {xepersian-mathdigit
5316 \cs_new:Nn \__xepersian_mathdigitsspec_msg_new:nnnn
5317 { \msg_new:nxxx {#1} {#2} { \tl_trim_spaces:n {#3} } { \tl_trim_spaces:n {#4} } }
5318 \char_set_catcode_space:n {32}
5319 \__xepersian_mathdigitsspec_msg_new:nnnn {xepersian-mathdigitsspec} {char-not-exist}
5320 {
5321   The font "#1" does not contain U+#2.
5322 }
5323 {
5324   Select another font and rerun xelatex.
5325 }
5326 \char_set_catcode_ignore:n {32}
5327
5328 %\__kernel_primitive:NN \iffontchar \tex_iffontchar:D
5329 \prg_new_conditional:Nnn \__xepersian_mathdigitsspec_primitive_font_char_if_exist:n {p,TF,T,F}
5330 {
5331   \tex_iffontchar:D \l_fontspec_font "#1 \scan_stop:
5332   \prg_return_true:
5333   \else:
5334     \prg_return_false:
5335   \fi:
5336 }
5337
5338 \clist_new:N \l_xepersian_mathdigitsspec_char_clist
5339
5340 \cs_new:Nn \__xepersian_mathdigitsspec_char_set_not_exist_error:nn
5341 {
5342   \clist_set:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5343   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5344     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathd
5345   }
5346 }
5347
5348 \cs_new:Nn \__xepersian_mathdigitsspec_char_prepend_not_exist_error:nn
5349 {
5350   \clist_put_left:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5351   \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5352     \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 } { \__xepersian_mathd

```



```

5353     }
5354 }
5355
5356 \cs_new:Nn \__xepersian_mathdigitsspec_char_append_not_exist_error:nn
5357 {
5358     \clist_put_right:Nn \l_xepersian_mathdigitsspec_char_clist { #1 }
5359     \clist_map_inline:Nn \l_xepersian_mathdigitsspec_char_clist {
5360         \__xepersian_mathdigitsspec_primitive_font_char_if_exist:nF { ##1 }{ \__xepersian_mathdi
5361     }
5362 }
5363
5364 \cs_new:Nn \__xepersian_mathdigitsspec_char_not_exist_error:n
5365 {
5366     \__xepersian_mathdigitsspec_char_set_not_exist_error:nn {
5367         06F0 , 06F1 , 06F2 , 06F3 , 06F4 , 06F5 , 06F6 , 06F7 , 06F8 ,
5368         06F9 , 066A , 066B
5369     } { #1 }
5370 }
5371
5372 \DeclareDocumentCommand \setmathdigitfont { 0{} m 0{} }
5373 {
5374     \__xepersian_main_setmathdigitfont:nn {#1,#3} {#2}
5375 }
5376 \cs_new:Nn \__xepersian_main_setmathdigitfont:nn
5377 {
5378     \let\glb@currsize\relax
5379     \fontspec_set_family:Nnn \g__xepersian_mathdigitsspec_family_tl {Ligatures=PersianTeX,#1} {#2}
5380     \__xepersian_setmathdigitfont_hook:nn {#1} {#2}
5381     \xepersian@PackageInfo{Defining the default Persian math digits font as '#2'}
5382     \DeclareSymbolFont{OPERATORS} {\g_fontspeg_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5383     \DeclareSymbolFont{new@mathbf@font@digits}{\g_fontspeg_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5384     \DeclareSymbolFont{new@mathit@font@digits}{\g_fontspeg_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5385     \DeclareSymbolFont{new@mathrm@font@digits}{\g_fontspeg_encoding_tl}{\g__xepersian_mathdigitsspec_family_tl}
5386     \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5387     \def\persianmathdigits{%
5388     \SetMathCode{`0}{\mathalpha}{OPERATORS}{`0}
5389     \SetMathCode{`1}{\mathalpha}{OPERATORS}{`1}
5390     \SetMathCode{`2}{\mathalpha}{OPERATORS}{`2}
5391     \SetMathCode{`3}{\mathalpha}{OPERATORS}{`3}
5392     \SetMathCode{`4}{\mathalpha}{OPERATORS}{`4}
5393     \SetMathCode{`5}{\mathalpha}{OPERATORS}{`5}
5394     \SetMathCode{`6}{\mathalpha}{OPERATORS}{`6}
5395     \SetMathCode{`7}{\mathalpha}{OPERATORS}{`7}
5396     \SetMathCode{`8}{\mathalpha}{OPERATORS}{`8}
5397     \SetMathCode{`9}{\mathalpha}{OPERATORS}{`9}
5398     \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5399     \SetMathCharDef{\persiandecimalseparator}{\mathord}{OPERATORS}{"066B}
5400     \tl_set_eq:NN \mathbf \new@mathbf
5401     \tl_set_eq:NN \mathit \new@mathit
5402     \tl_set_eq:NN \mathrm \new@mathrm}
5403 }
5404
5405 \cs_set_eq:NN \__xepersian_setmathdigitfont_hook:nn \use_none:nn
5406

```



```

5407 \DeclareDocumentCommand \setmathsfdigitfont { 0{} m 0{} }
5408 {
5409   \__xepersian_main_setmathsfdigitfont:nn {#1,#3} {#2}
5410 }
5411 \cs_new:Nn \__xepersian_main_setmathsfdigitfont:nn
5412 {
5413   \fontspec_set_family:Nnn \g__xepersian_mathsfdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5414   \__xepersian_setmathsfdigitfont_hook:nn {#1} {#2}
5415   \DeclareSymbolFont{new@mathsf@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_math
5416     \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5417   \def\persianmathsfdigits{\tl_set_eq:NN \mathsf \new@mathsf}
5418 }
5419
5420 \cs_set_eq:NN \__xepersian_setmathsfdigitfont_hook:nn \use_none:nn
5421
5422 \DeclareDocumentCommand \setmathtttdigitfont { 0{} m 0{} }
5423 {
5424   \__xepersian_main_setmathtttdigitfont:nn {#1,#3} {#2}
5425 }
5426 \cs_new:Nn \__xepersian_main_setmathtttdigitfont:nn
5427 {
5428   \fontspec_set_family:Nnn \g__xepersian_mathtttdigitfamily_tl {Ligatures=PersianTeX,#1} {#2}
5429   \__xepersian_setmathtttdigitfont_hook:nn {#1} {#2}
5430   \DeclareSymbolFont{new@mathtt@font@digits}{\g_fontspec_encoding_tl}{\g__xepersian_math
5431     \__xepersian_mathdigitsspec_char_not_exist_error:n { #2 }
5432   \def\persianmathttdigits{\tl_set_eq:NN \mathtt \new@mathtt}
5433 }
5434
5435 \cs_set_eq:NN \__xepersian_setmathtttdigitfont_hook:nn \use_none:nn
5436
5437 \ExplSyntaxOff
5438 \mathchardef\decimalseparator@point="013A
5439 %f%
5440 % \catcode`\.=\active
5441 % \gdef.{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}}
5442 \bgroup
5443 \uccode`~`~`.%
5444 \uppercase{%
5445 \egroup
5446 \def~}{\begingroup\obeyspaces\futurelet\@let@token\decimalseparator@pointcheck}
5447 \def\decimalseparator@pointcheck{\decimalseparator@check\MathDecimalSeparator\decimalseparator@
5448 \def\decimalseparator@check#1#2{%
5449   \ifx\@let@token1\endgroup#1\else
5450     \ifx\@let@token2\endgroup#1\else
5451       \ifx\@let@token3\endgroup#1\else
5452         \ifx\@let@token4\endgroup#1\else
5453           \ifx\@let@token5\endgroup#1\else
5454             \ifx\@let@token6\endgroup#1\else
5455               \ifx\@let@token7\endgroup#1\else
5456                 \ifx\@let@token8\endgroup#1\else
5457                   \ifx\@let@token9\endgroup#1\else
5458                     \ifx\@let@token0\endgroup#1\else
5459                       \ifx\@let@token\dot\endgroup#1\else
5460                         \ifx\@let@token\overline\endgroup#1\else

```



```

5461             \endgroup#2%
5462             \fi
5463         \fi
5464     \fi
5465 \fi
5466 \fi
5467 \fi
5468 \fi
5469 \fi
5470 \fi
5471 \fi
5472 \fi
5473 \fi}
5474 \AtBeginDocument{\mathcode`."8000\relax}
5475 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined .\else \persiandecimalsepara
5476 \def\DefaultMathDecimalSeparator{.}
5477 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5478 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5479 \def\DefaultMathDigits{%
5480 \DefaultInlineMathDigits%
5481 \DefaultDisplayMathDigits%
5482 }
5483 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5484 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5485 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5486 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5487 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5488 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5489 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5490 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5491 \def\PersianMathDigits{%
5492 \PersianInlineMathDigits%
5493 \PersianDisplayMathDigits%
5494 }
5495 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
5496 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5497 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5498 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5499 \def\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5500 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5501 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5502 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5503 \def\AutoMathDigits{%
5504 \AutoInlineMathDigits%
5505 \AutoDisplayMathDigits%
5506 }
5507 \AutoMathDigits
5508 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5509 \let\SetDisplayMathDigits\relax%
5510 }
5511 \everydisplay\expandafter{%
5512 \the\everydisplay\SetDisplayMathDigits%
5513 \let\SetInlineMathDigits\relax%
5514 }

```



```

5515
5516 \ExplSyntaxOn
5517 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5518
5519 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5520   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5521     \SetMathCode{##1}{\mathalpha}{operators}{##1}
5522   }
5523   \SetMathCode{`\%}{\mathbin}{operators}{`\%}
5524   \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5525   \tl_set_eq:NN \mathbf \orig_mathbf:n
5526   \tl_set_eq:NN \mathit \orig_mathit:n
5527   \tl_set_eq:NN \mathrm \orig_mathrm:n
5528   \tl_set_eq:NN \mathsf \orig_mathsf:n
5529   \tl_set_eq:NN \mathtt \orig_mathtt:n
5530 }
5531
5532 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5533   \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5534     \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5535   }
5536   \SetMathCode{`\%}{\mathbin}{OPERATORS}{` }
5537   \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5538   \tl_set_eq:NN \mathbf \new@mathbf
5539   \tl_set_eq:NN \mathit \new@mathit
5540   \tl_set_eq:NN \mathrm \new@mathrm
5541   \tl_set_eq:NN \mathsf \new@mathsf
5542   \tl_set_eq:NN \mathtt \new@mathtt
5543 }
5544 \ExplSyntaxOff

```

63 File xepersian-multiplechoice.sty

```

5545 \NeedsTeXFormat{LaTeX2e}
5546 \ProvidesPackage{xepersian-multiplechoice}[2010/07/25 v0.2
5547   Multiple Choice Questionnaire class for Persian in XeLaTeX]
5548 \RequirePackage{pifont}
5549 \RequirePackage{fullpage}
5550 \RequirePackage{ifthen}
5551 \RequirePackage{calc}
5552 \RequirePackage{verbatim}
5553 \RequirePackage{tabularx}
5554 \def\@headerfont{\bfseries}
5555 \newcommand\headerfont[1]{\gdef\@headerfont{##1}}
5556 \def\@X{X}
5557 \newcommand\X[1]{\gdef\@X{##1}}
5558 \def\pbs#1{\let\tmp=\@#1\let\@=\tmp}
5559 \newcolumnntype{D}{>{\pbs\centering}X}
5560 \newcolumnntype{Q}{>{\@headerfont}X}
5561
5562 \renewcommand\tabularxcolumn[1]{m{##1}}
5563 \newcommand\makeform@nocorrection{%
5564   \addtocontents{frm}{\protect\end{tabularx}}
5565   \@starttoc{frm}}

```



```

5566 \newcommand\makeform@correction{%
5567   \addtocontents{frm}{\protect\end{tabularx}}
5568 \newcommand\makemask@nocorrection{%
5569   \addtocontents{msk}{\protect\end{tabularx}}
5570   \@starttoc{msk}}
5571 \newcommand\makemask@correction{%
5572   \addtocontents{msk}{\protect\end{tabularx}}
5573 \newlength\questionspace
5574 \setlength\questionspace{Opt}
5575 \newcommand\answerstitle[1]{\gdef\@answerstitle{#1}}
5576 \def\@answerstitlefont{\bfseries}
5577 \newcommand\answerstitlefont[1]{\gdef\@answerstitlefont{#1}}
5578 \def\@answernumberfont{\bfseries}
5579 \newcommand\answernumberfont[1]{\gdef\@answernumberfont{#1}}
5580 \newcounter{question}\stepcounter{question}
5581 \newcounter{@choice}
5582 \def\@initorcheck{%
5583   \xdef\@choices{\the@choice}%
5584   \setcounter{@choice}{1}%
5585   \gdef\@arraydesc{|Q||}%
5586   \gdef\@headerline{}%
5587   \whiledo{\not{\value{@choice}>\@choices}}{
5588     \xdef\@arraydesc{\@arraydesc D|}
5589     \def\@appendheader{\g@addto@macro\@headerline}
5590     \@appendheader{\protect\@headerfont}
5591     \edef\@the@choice{\alph{@choice}}
5592     \expandafter\@appendheader\@the@choice
5593     \stepcounter{@choice}}%
5594 \addtocontents{frm}{%
5595   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5596   \protect\hline
5597   \@headerline\protect\\\protect\hline\protect\hline}%
5598 \addtocontents{msk}{%
5599   \protect\begin{tabularx}{\protect\linewidth}{\@arraydesc}
5600   \protect\hline
5601   \@headerline\protect\\\protect\hline\protect\hline}%
5602 \gdef\@initorcheck{%
5603   \ifthenelse{\value{@choice} = \@choices}{}{%
5604     \ClassError{xepersian-multiplechoice}{Question \thequestion: wrong number of choices
5605       (\the@choice\space instead of \@choices)}{%
5606       Questions must all have the same number of proposed answers.%
5607       \MessageBreak
5608       Type X <return> to quit, fix your MCQ (multiple choice question) and rerun XeLaTeX.}}
5609 \newenvironment{question}[1]{%
5610   %% \begin{question}
5611   \begin{minipage}{\textwidth}
5612     \xdef\@formanswerline{\@questionheader}%
5613     \xdef\@maskanswerline{\@questionheader}%
5614     \fbox{\parbox[c]{\linewidth}{#1}}
5615     \vspace\questionspace\par
5616     {\@answerstitlefont\@answerstitle}
5617     \begin{list}{\@answernumberfont\alph{@choice}}~{\usecounter{@choice}}}%
5618   %% \end{question}
5619   \end{list}

```



```

5620 \@initiorcheck%
5621 \addtocontents{frm}{\@formanswerline\protect\\protect\hline}%
5622 \addtocontents{msk}{\@maskanswerline\protect\\protect\hline}%
5623 \end{minipage}
5624 \stepcounter{question}}
5625 \def\@truesymbol{\ding{52}~}
5626 \def\@falsesymbol{\ding{56}~}
5627 \newcommand\truesymbol[1]{\gdef\@truesymbol{#1}}
5628 \newcommand\falsesymbol[1]{\gdef\@falsesymbol{#1}}
5629 \def\@true@nocorrection{\item}
5630 \def\@false@nocorrection{\item}
5631 \def\@true@correction{\item[\@truesymbol\refstepcounter{@choice}]}
5632 \def\@false@correction{\item[\@falsesymbol\refstepcounter{@choice}]}
5633 \newcommand\true{%
5634 \xdef\@formanswerline{\@formanswerline&}%
5635 \xdef\@maskanswerline{\@maskanswerline&\@X}%
5636 \@true}%
5637 \newcommand>false{%
5638 \xdef\@formanswerline{\@formanswerline&}%
5639 \xdef\@maskanswerline{\@maskanswerline&}%
5640 \@false}%
5641 \def\@correctionstyle{\itshape}
5642 \newcommand\correctionstyle[1]{\gdef\@correctionstyle{#1}}
5643 \newenvironment{@correction}{\@correctionstyle}{\@correctionstyle}{}
5644 \def\@questionheader{ \thequestion}
5645 \answerstyle{ :
5646 \DeclareOption{nocorrection}{%
5647 \let\@true\@true@nocorrection
5648 \let\@false\@false@nocorrection
5649 \let\correction\comment
5650 \let\endcorrection\endcomment
5651 \def\makeform{\makeform@nocorrection}
5652 \def\makemask{\makemask@nocorrection}}
5653 \DeclareOption{correction}{%
5654 \let\@true\@true@correction
5655 \let\@false\@false@correction
5656 \let\correction\@correction
5657 \let\endcorrection\end@correction
5658 \def\makeform{\makeform@correction}
5659 \def\makemask{\makemask@correction}}
5660 \ExecuteOptions{nocorrection}
5661 \newcommand\questiontitle[1]{\gdef\@questiontitle{#1}}
5662 \def\@questiontitlefont{\bfseries}
5663 \newcommand\questiontitlefont[1]{\gdef\@questiontitlefont{#1}}
5664 \newlength\questiontitlespace
5665 \setlength\questiontitlespace{5pt}
5666 \newlength\questionsepspace
5667 \setlength\questionsepspace{20pt}
5668 \gdef\@questionsepspace{0pt}
5669 \let\old@question\question
5670 \let\old@endquestion\endquestion
5671 \renewenvironment{question}[1]{%
5672 %% \begin{question}
5673 \vspace\@questionsepspace

```



```

5674 \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5675 \nopagebreak\vspace\questiontitlespace\par
5676 \old@question{#1}}{-%
5677 %% \end{question}
5678 \old@endquestion
5679 \gdef\@questionsepspace{\questionsepspace}}
5680 \questiontitle{ \thequestion:}
5681 \ProcessOptions

```

64 File xepersian-persiancal.sty

```

5682 \NeedsTeXFormat{LaTeX2e}
5683 \ProvidesPackage{xepersian-persiancal}[2025/01/01 v0.3 provides Persian calendar]
5684
5685 \newif\ifXePersian@leap \newif\ifXePersian@kabiseh
5686 \newcount\XePersian@i \newcount\XePersian@y \newcount\XePersian@m \newcount\XePersian@d
5687 \newcount\XePersian@latini \newcount\XePersian@persiani
5688 \newcount\XePersian@latinii \newcount\XePersian@persianii
5689 \newcount\XePersian@latiniii \newcount\XePersian@persianiii
5690 \newcount\XePersian@latiniv \newcount\XePersian@persianiv
5691 \newcount\XePersian@latinv \newcount\XePersian@persianv
5692 \newcount\XePersian@latinvi \newcount\XePersian@persianvi
5693 \newcount\XePersian@latinvii \newcount\XePersian@persianvii
5694 \newcount\XePersian@latinviii \newcount\XePersian@persianviii
5695 \newcount\XePersian@latinix \newcount\XePersian@persianix
5696 \newcount\XePersian@latinix \newcount\XePersian@persianx
5697 \newcount\XePersian@latinxi \newcount\XePersian@persianxi
5698 \newcount\XePersian@latinxii \newcount\XePersian@persianxii
5699 \newcount\XePersian@persianxiii
5700
5701 \newcount\XePersian@temp
5702 \newcount\XePersian@temptwo
5703 \newcount\XePersian@tempthree
5704 \newcount\XePersian@yModHundred
5705 \newcount\XePersian@thirtytwo
5706 \newcount\XePersian@dn
5707 \newcount\XePersian@sn
5708 \newcount\XePersian@mminusone
5709
5710
5711 \XePersian@y=\year \XePersian@m=\month \XePersian@d=\day
5712 \XePersian@temp=\XePersian@y
5713 \divide\XePersian@temp by 100\relax
5714 \multiply\XePersian@temp by 100\relax
5715 \XePersian@yModHundred=\XePersian@y
5716 \advance\XePersian@yModHundred by -\XePersian@temp\relax
5717 \ifodd\XePersian@yModHundred
5718 \XePersian@leapfalse
5719 \else
5720 \XePersian@temp=\XePersian@yModHundred
5721 \divide\XePersian@temp by 2\relax
5722 \ifodd\XePersian@temp\XePersian@leapfalse
5723 \else
5724 \ifnum\XePersian@yModHundred=0%

```




```

5725     \XePersian@temp=\XePersian@y
5726     \divide\XePersian@temp by 400\relax
5727     \multiply\XePersian@temp by 400\relax
5728     \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5729     \else\XePersian@leaptrue
5730     \fi
5731 \fi
5732 \fi
5733 \XePersian@latini=31\relax
5734 \ifXePersian@leap
5735   \XePersian@latinii = 29\relax
5736 \else
5737   \XePersian@latinii = 28\relax
5738 \fi
5739 \XePersian@latiniii = 31\relax
5740 \XePersian@latiniv = 30\relax
5741 \XePersian@latinv = 31\relax
5742 \XePersian@latinvi = 30\relax
5743 \XePersian@latinvii = 31\relax
5744 \XePersian@latinviii = 31\relax
5745 \XePersian@latinix = 30\relax
5746 \XePersian@latinx = 31\relax
5747 \XePersian@latinxi = 30\relax
5748 \XePersian@latinxii = 31\relax
5749 \XePersian@thirtytwo=32\relax
5750 \XePersian@temp=\XePersian@y
5751 \advance\XePersian@temp by -17\relax
5752 \XePersian@temptwo=\XePersian@temp
5753 \divide\XePersian@temptwo by 33\relax
5754 \multiply\XePersian@temptwo by 33\relax
5755 \advance\XePersian@temp by -\XePersian@temptwo
5756 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5757 \else
5758   \XePersian@temptwo=\XePersian@temp
5759   \divide\XePersian@temptwo by 4\relax
5760   \multiply\XePersian@temptwo by 4\relax
5761   \advance\XePersian@temp by -\XePersian@temptwo
5762   \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5763 \fi
5764 \XePersian@tempthree=\XePersian@y % Number of Leap years
5765 \advance\XePersian@tempthree by -1
5766 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5767 \divide\XePersian@temp by 4\relax
5768 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5769 \divide\XePersian@temptwo by 100\relax
5770 \advance\XePersian@temp by -\XePersian@temptwo
5771 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5772 \divide\XePersian@temptwo by 400\relax
5773 \advance\XePersian@temp by \XePersian@temptwo
5774 \advance\XePersian@tempthree by -611 % Number of Kabise years
5775 \XePersian@temptwo=\XePersian@tempthree % T := T - ((SY+10) div 33) * 8
5776 \divide\XePersian@temptwo by 33\relax
5777 \multiply\XePersian@temptwo by 8\relax
5778 \advance\XePersian@temp by -\XePersian@temptwo

```



```

5779 \XePersian@temptwo=\XePersian@tempthree %
5780 \divide\XePersian@temptwo by 33\relax
5781 \multiply\XePersian@temptwo by 33\relax
5782 \advance\XePersian@tempthree by -\XePersian@temptwo
5783 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5784 \divide\XePersian@tempthree by 4\relax % T := T - ((SY+10) mod 33) div 4
5785 \advance\XePersian@temp by -\XePersian@tempthree
5786 \advance\XePersian@temp by -137 % T := T - 137 Adjust the value
5787 \XePersian@persiani=31
5788 \advance\XePersian@persiani by -\XePersian@temp % now 31 - T is the persiani
5789 \XePersian@persianii = 30\relax
5790 \ifXePersian@kabiseh
5791 \XePersian@persianiii = 30\relax
5792 \else
5793 \XePersian@persianiii = 29\relax
5794 \fi
5795 \XePersian@persianiv = 31\relax
5796 \XePersian@persianv = 31\relax
5797 \XePersian@persianvi = 31\relax
5798 \XePersian@persianvii = 31\relax
5799 \XePersian@persianviii= 31\relax
5800 \XePersian@persianix = 31\relax
5801 \XePersian@persianx = 30\relax
5802 \XePersian@persianxi = 30\relax
5803 \XePersian@persianxii = 30\relax
5804 \XePersian@persianxiii= 30\relax
5805 \XePersian@dn= 0\relax
5806 \XePersian@sn= 0\relax
5807 \XePersian@mminusone=\XePersian@m
5808 \advance\XePersian@mminusone by -1\relax
5809 \XePersian@i=0\relax
5810 \ifnum\XePersian@i < \XePersian@mminusone
5811 \loop
5812 \advance \XePersian@i by 1\relax
5813 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5814 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5815 \fi
5816 \advance \XePersian@dn by \XePersian@d
5817 \XePersian@i=1\relax
5818 \XePersian@sn = \XePersian@persiani
5819 \ifnum \XePersian@sn<\XePersian@dn
5820 \loop
5821 \advance \XePersian@i by 1\relax
5822 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5823 \ifnum \XePersian@sn<\XePersian@dn \repeat
5824 \fi
5825 \ifnum \XePersian@i < 4
5826 \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5827 \advance \XePersian@y by -622\relax
5828 \else
5829 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5830 \advance \XePersian@y by -621\relax
5831 \fi
5832 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%

```



```

5833 \endcsname
5834 \ifnum\XePersian@i = 1
5835 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersia
5836 \else
5837 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5838 \fi
5839 \newcommand*\persiantoday}{%
5840 \number\XePersian@d\space%
5841 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5842 }
5843 \let\persianyear\XePersian@y
5844 \let\persianmonth\XePersian@m
5845 \let\persianday\XePersian@d
5846 \def\XePersian@persian@month#1{\ifcase#1\or or\
5847 or\
5848 or\ or\
5849 or\
5850 or\ or\
5851 or\ or\
5852 or\ or\
5853 \fi\
5854
5855 \newcommand*\persianseason}{%
5856 \ifcase\persianmonth\or
5857 or\ or\ or\ or\ or\ or\
5858 or\ or\ or\ or\ or\ fi\
5859 }

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