



The XePersian *Package*

Source documentation for [version 26.2](#)

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:

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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 26.2](#)

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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 \cleardoublepage
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{ }{\endline}
407 \eqcommand{      }\endlinechar}
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{      }\fancypage}
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{ @ }{\@MM}
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{ }{\snglftlocatcode}
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{@ }{@tempkipb}
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}
```




```

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*{\Freftabname}{\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*{\Freftabshortname}{%
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 hyperref
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}[2025/01/06 v0.2e Persian localization of LaTeX2e]
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}}%
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 \newcommand*\keyval@eq@alias@key[4][KV]{%
1636 \bidi@csletcs{#1@#2@#3}{#1@#2@#4}%
1637 \bidi@csletcs{#1@#2@#3@default}{#1@#2@#4@default}%
1638 }
1639 \input{latex-localize-commands-xetex-xepersian.def}
1640 \input{xepersian-localize-commands-xetex-xepersian.def}
1641 \input{latex-localize-environments-xetex-xepersian.def}

```



```

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

```



```

1696 \aliasfontfeature{Kerning}{ }
1697 \aliasfontfeature{VerticalPosition}{ }
1698 \aliasfontfeature{Fractions}{ }
1699 \aliasfontfeatureoption{Language}{Default}{ }
1700 \aliasfontfeatureoption{Language}{Persian}{ }
1701 \aliasfontfeatureoption{Script}{Persian}{ }
1702 \aliasfontfeatureoption{Script}{Latin}{ }
1703 \aliasfontfeatureoption{Style}{MathScript}{ }
1704 \aliasfontfeatureoption{Style}{MathScriptScript}{ }

```

40 File memoir-xetex-xepersian.def

```

1705 \ProvidesFile{memoir-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for memoir class]
1706 \renewcommand{\@memfront}{%
1707   \@smemfront\pagenumbering{harfi}}
1708 \renewcommand{\setthesection}{\thechapter\@SepMark\harfi{section}}
1709 \renewcommand*{\thebook}{\@tartibi\c@book}
1710 \renewcommand*{\thepart}{\@tartibi\c@part}
1711 \renewcommand{\appendix}{\par
1712   \setcounter{chapter}{0}%
1713   \setcounter{section}{0}%
1714   \gdef\@chapapp{\appendixname}%
1715   \gdef\thechapter{\@harfi\c@chapter}%
1716   \anappendixtrue}

```

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

```

1717 latex} \-localize-messages-xetex-xepersian.def}[2011/03/01 v0.1 localizing LaTeX2e messages]

```

42 File minitoc-xetex-xepersian.def

```

1718 \ProvidesFile{minitoc-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for minitoc class]
1719 \def\ptctitle{\if@RTL else\ Table of Contents\fi}%
1720 \def\plftitle{\if@RTL else\ List of Figures\fi}%
1721 \def\pltttitle{\if@RTL else\ List of Tables\fi}%
1722 \def\mtctitle{\if@RTL else\ Contents\fi}%
1723 \def\mlftitle{\if@RTL else\ Figures\fi}%
1724 \def\mltttitle{\if@RTL else\ Tables\fi}%
1725 \def\stctitle{\if@RTL else\ Contents\fi}%
1726 \def\slftitle{\if@RTL else\ Figures\fi}%
1727 \def\sltttitle{\if@RTL else\ Tables\fi}%

```

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

```

1728 \ProvidesFile{latex-localize-misc-xetex-xepersian.def}[2025/01/03 v0.3 miscellaneous Persian]
1729 %}1# \ \
1730 \@ \ @ \ \
1731 \1# \
1732 \1# @\
1733 \1# @\
1734 {@ \ \
1735 %}2#1# @\ \
1736 %1# \ @\ \ \ \ \
1737 \2# \ @\ \

```



```

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

```



```

1792         \if \reserved@a %
1793             \ifodd \@tempcnta
1794             \else
1795                 \advance \@tempcnta \@ne
1796             \fi
1797         \fi
1798         \if \reserved@a t%
1799             \@setfpsbit \tw@
1800         \fi
1801         \if \reserved@a %
1802             \@setfpsbit \tw@
1803         \fi
1804         \if \reserved@a b%
1805             \@setfpsbit 4%
1806         \fi
1807         \if \reserved@a %
1808             \@setfpsbit 4%
1809         \fi
1810         \if \reserved@a p%
1811             \@setfpsbit 8%
1812         \fi
1813         \if \reserved@a %
1814             \@setfpsbit 8%
1815         \fi
1816         \if \reserved@a !%
1817             \ifnum \@tempcnta>15
1818                 \advance\@tempcnta -\sixt@@n\relax
1819             \fi
1820         \fi
1821     }%
1822     \@tempcntb \csname ftype@\@capttype \endcsname
1823     \multiply \@tempcntb \@xxxii
1824     \advance \@tempcnta \@tempcntb
1825     \global \count\@currbox \@tempcnta
1826     }%
1827     \@fltovf
1828 \fi
1829 \global \setbox\@currbox
1830 \color@vbox
1831 \normalcolor
1832 \vbox \bgroup
1833 \hsize\columnwidth
1834 \@parboxrestore
1835 \@floatboxreset
1836 }
1837 \let\bm@ \bm@c
1838 \let\bm@ \bm@l
1839 \let\bm@ \bm@r
1840 \let\bm@ \bm@b
1841 \let\bm@ \bm@t
1842 \let\bm@ \bm@s
1843 \long\def\@iiiparbox#1#2[#3]#4#5{%
1844 \leavevmode
1845 \@pboxswfalse

```



```

1846 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1847 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1848 \setlength\@tempdima{#4}%
1849 \@begin@tempboxa\vbox{\hsize\@tempdima\@parboxrestore#5\@par}%
1850 \ifx\relax#2\else
1851 \setlength\@tempdimb{#2}%
1852 \edef\@parboxto{to\the\@tempdimb}%
1853 \fi
1854 \if#1b\vbox
1855 \else\if#1\vbox
1856 \else\if #1t\vtop
1857 \else\if vtop #1
1858 \else\ifmode\vcenter
1859 \else\@pboxswtrue $\vcenter
1860 \fi\fi\fi\fi\fi
1861 \@parboxto{\let\hss\vss\let\unhbox\unvbox
1862 \csname bm@#3\endcsname}%
1863 \if@pboxsw \m@th$\fi
1864 \@end@tempboxa}
1865 \def\@iiiminipage#1#2[#3]#4{%
1866 \leavevmode
1867 \@pboxswfalse
1868 \ifhboxRconstruct\@bidi@list@minipage@parbox@not@nobtrue\fi
1869 \ifRTL\if#1t\@bidi@list@minipage@parboxtrue\else\if#1b\@bidi@list@minipage@parboxtrue\else
1870 \setlength\@tempdima{#4}%
1871 \def\@mpargs{#1}#2[#3]#4}%
1872 \setbox\@tempboxa\vbox\bgroup
1873 \color@begingroup
1874 \hsize\@tempdima
1875 \textwidth\hsize \columnwidth\hsize
1876 \@parboxrestore
1877 \def\@mpfn{mpfootnote}\def\thempfn{\thempfootnote}\c@mpfootnote\z@
1878 \let\@footnotetext\@mpfootnotetext
1879 \let\@LTRfootnotetext\@mpLTRfootnotetext
1880 \let\@RTLfootnotetext\@mpRTLfootnotetext
1881 \let\@listdepth\@mplistdepth \@mplistdepth\z@
1882 \@minipagerestore
1883 \@setminipage}
1884 \def\@testpach#1{\@chclass \ifnum \@lastchclass=\tw@ 4 \else
1885 \ifnum \@lastchclass=3 5 \else
1886 \z@ \if #1c\@chnum \z@ \else
1887 \if chnum@ \#1 \z@ \else
1888 \if \if@RTLtab#1r\else#1l\fi\@chnum \@ne \else
1889 \if \if@RTLtab#1 \else#1 \fi\@chnum \@ne \else
1890 \if \if@RTLtab#1l\else#1r\fi\@chnum \tw@ \else
1891 \if \if@RTLtab#1 \else#1 \fi\@chnum \tw@ \else
1892 \@chclass \if #1|\@ne \else
1893 \if #1@\tw@ \else
1894 \if #1p3 \else
1895 \if 3 #1 \else \z@ \@preamerr 0\fi
1896 \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
1897 \fi}%
1898 }
1899 \ApplyPatchCodeToFile{array-xetex-bidi}{%

```




```

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

```



```

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

```



```

2008         \or \adl@putlrc{\$ \relax \@sharp\$} \hfil
2009         \or \hfil \adl@putlrc{\$ \relax \@sharp\$} \fi}
2010 \def \@tabclassz { \ifcase \@lastchclass \@acolampacol \or \@ampacol \or
2011         \or \or \@addamp \or
2012         \@acolampacol \or \@firstampfalse \@acol \fi
2013     \edef \@preamble { \@preamble
2014         \ifcase \@chnum
2015             \hfil \adl@putlrc {\ @sharp \unskip} \hfil
2016             \or \adl@putlrc {\ @sharp \unskip} \hfil
2017             \or \hfil \hskip \z@ \adl@putlrc {\ @sharp \unskip} \fi}
2018 \def \adl@class@start { 6 }
2019 \def \adl@class@iiiorvii { 3 }
2020 \fi
2021 }
2022 \ApplyPatchCodeToFile { tabulary-xetex-bidi } { %
2023 \def \@testpach { \@chclass
2024     \ifnum \@lastchclass = 6 \@ne \@chnum \@ne \else
2025     \ifnum \@lastchclass = 7 5 \else
2026     \ifnum \@lastchclass = 8 \tw@ \else
2027     \ifnum \@lastchclass = 9 \thr@@
2028     \else \z@
2029     \ifnum \@lastchclass = 10 \else
2030     \edef \@nextchar { \expandafter \string \@nextchar } %
2031     \@chnum
2032     \if \@nextchar c \z@ \else
2033     \if \@nextchar @ \z@ \else
2034     \if \@nextchar \if @RTLtab r \else l \fi \@ne \else
2035     \if \@nextchar \if @RTLtab else \ fi \@ne \ else
2036     \if \@nextchar \if @RTLtab l \else r \fi \tw@ \else
2037     \if \@nextchar \if @RTLtab else \ @fi \tw@ \ else
2038     \if \@nextchar C7 \else
2039     \if \@nextchar 7 \else
2040     \if \@nextchar L8 \else
2041     \if \@nextchar 8 \else
2042     \if \@nextchar R9 \else
2043     \if \@nextchar 9 \else
2044     \if \@nextchar J10 \else
2045     \if \@nextchar 10 \else
2046     \z@ \@chclass
2047     \if \@nextchar | \@ne \else
2048     \if \@nextchar !6 \else
2049     \if \@nextchar @7 \else
2050     \if \@nextchar <8 \else
2051     \if \@nextchar >9 \else
2052     10
2053     \@chnum
2054     \if \@nextchar m \thr@@ \else
2055     \if \@nextchar thr@@ \else \
2056     \if \@nextchar p4 \else
2057     \if \@nextchar 4 \else
2058     \if \@nextchar b5 \else
2059     \if \@nextchar 5 \else
2060     \z@ \@chclass \z@ \@preamerr \z@ \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi
2061     \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi \fi %

```



```

2062 }
2063 \ApplyPatchCodeToFile{float-xetex-bidi}{%
2064 \let\float@Hx\@xfloat
2065 \def\@xfloat#1[{\@ifnextchar{H}{\float@HH#1}]{\@ifnextchar{ }{\float@{1#} }{\float@Hx{#
2066 \def\@float@HH#1[H]{%
2067 \expandafter\let\csname end#1\endcsname\float@endH
2068 \let\@currbox\float@box
2069 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
2070 \expandafter\ifx\csname fst@#1\endcsname\relax
2071 \@flstylefalse\else\@flstyletrue\fi
2072 \setbox\@currbox\color@vbox\normalcolor
2073 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2074 \@floatboxreset \@setnobreak
2075 \ignorespaces}
2076 \def\@float@[ ]#1{%
2077 \expandafter\let\csname end#1\endcsname\float@endH
2078 \let\@currbox\float@box
2079 \def\@capttype{#1}\setbox\@floatcapt=\vbox{}%
2080 \expandafter\ifx\csname fst@#1\endcsname\relax
2081 \@flstylefalse\else\@flstyletrue\fi
2082 \setbox\@currbox\color@vbox\normalcolor
2083 \vbox\bgroup \hsize\columnwidth \@parboxrestore
2084 \@floatboxreset \@setnobreak
2085 \ignorespaces}
2086 }
2087 \begingroup \catcode `|=0 \catcode `|= 1
2088 \catcode`=2 \catcode `|=12 \catcode `|=12
2089 \catcode`=12 |gdef|@x@xepersian@localize@verbatim#1[[ ] |1#{ }
2090 |gdef|@sx@xepersian@localize@verbatim#1[[* ] |1#}* }
2091 |endgroup
2092 \def\ { \@verbatim \frenchspacing\@vobeyspaces \@x@xepersian@localize@verbatim}
2093 \def\end { \if@newlist \leavevmode\fi\endtrivlist}
2094 \ExplSyntaxOn
2095 \AtBeginDocument{\@namedef{ }*}{\@verbatim \fontspec_print_visible_spaces: \@sx@xepersia
2096 \ExplSyntaxOff
2097 \expandafter\let\csname end * \endcsname =\end

```

44 File natbib-xetex-xepersian.def

```

2098 \ProvidesFile{natbib-xetex-xepersian.def}[2011/08/01 v0.1 xepersian adaptations for natbib pa
2099 \renewcommand\NAT@set@cites{%
2100 \ifNAT@numbers
2101 \ifNAT@super \let\@cite\NAT@citesuper
2102 \def\NAT@mbox##1{\unskip\nobreak\textsuperscript{##1}}%
2103 \let\citeyearpar=\citeyear
2104 \let\NAT@space\relax
2105 \def\NAT@super@kern{\kern\p@}%
2106 \else
2107 \let\NAT@mbox=\mbox
2108 \let\@cite\NAT@citenum
2109 \let\NAT@space\NAT@spacechar
2110 \let\NAT@super@kern\relax
2111 \fi
2112 \let\@citex\NAT@citexnum

```



```

2113 \let\@Latincitex\NAT@Latin@citexnum
2114 \let\@biblabel\NAT@biblabelnum
2115 \let\@bibsetup\NAT@bibsetnum
2116 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@num\NAT@close}%
2117 \def\natexlab##1{%
2118 \def\NAT@penalty{\penalty\@m}%
2119 \else
2120 \let\@cite\NAT@cite
2121 \let\@citex\NAT@citex
2122 \let\@Latincitex\NAT@Latin@citex
2123 \let\@biblabel\NAT@biblabel
2124 \let\@bibsetup\NAT@bibsetup
2125 \let\NAT@space\NAT@spacechar
2126 \let\NAT@penalty\@empty
2127 \renewcommand\NAT@idxtxt{\NAT@name\NAT@spacechar\NAT@open\NAT@date\NAT@close}%
2128 \def\natexlab##1{##1}%
2129 \fi}
2130 \newcommand\NAT@Latin@citex{}
2131 \def\NAT@Latin@citex%
2132 [#1][#2]#3{%
2133 \NAT@reset@parser
2134 \NAT@sort@cites{#3}%
2135 \NAT@reset@citea
2136 \@cite{\lr{\let\NAT@nm\@empty\let\NAT@year\@empty
2137 \@for\@citeb:=\NAT@cite@list\do
2138 {\@safe@activestru
2139 \edef\@citeb{\expandafter\@firstofone\@citeb\@empty}}%
2140 \@safe@activesfalse
2141 \@ifundefined{b@\@citeb\@extra@b@citeb}{\@citea%
2142 {\reset@font\bfseries ?}\NAT@citeundefined
2143 \PackageWarning{natbib}%
2144 {Citation `@\@citeb' on page \thepage \space undefined}\def\NAT@date{}}%
2145 {\let\NAT@last@nm=\NAT@nm\let\NAT@last@yr=\NAT@year
2146 \NAT@parse{\@citeb}}%
2147 \ifNAT@longnames\@ifundefined{bv@\@citeb\@extra@b@citeb}{%
2148 \let\NAT@name=\NAT@all@names
2149 \global\@namedef{bv@\@citeb\@extra@b@citeb}{}}{}}%
2150 \fi
2151 \ifNAT@full\let\NAT@nm\NAT@all@names\else
2152 \let\NAT@nm\NAT@name\fi
2153 \ifNAT@swa\ifcase\NAT@ctype
2154 \if\relax\NAT@date\relax
2155 \citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}\NAT@date}%
2156 \else
2157 \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2158 \ifx\NAT@last@yr\NAT@year
2159 \def\NAT@temp{?}%
2160 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2161 {Multiple citation on page \thepage: same authors and
2162 year\MessageBreak without distinguishing extra
2163 letter,\MessageBreak appears as question mark}\fi
2164 \NAT@hyper@{\NAT@exlab}%
2165 \else\unskip\NAT@spacechar
2166 \NAT@hyper@{\NAT@date}%

```



```

2167         \fi
2168     \else
2169         \@citea\NAT@hyper@{%
2170             \NAT@nmfmt{\NAT@nm}%
2171             \hyper@natlinkbreak{%
2172                 \NAT@aysep\NAT@spacechar}{\@citeb\@extra@b@citeb
2173             }%
2174             \NAT@date
2175         }%
2176     \fi
2177 \fi
2178 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2179 \or\@citea\NAT@hyper@{\NAT@date}%
2180 \or\@citea\NAT@hyper@{\NAT@alias}%
2181 \fi \NAT@def@citea
2182 \else
2183     \ifcase\NAT@ctype
2184     \if\relax\NAT@date\relax
2185         \@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2186     \else
2187         \ifx\NAT@last@nm\NAT@nm\NAT@yrsep
2188             \ifx\NAT@last@yr\NAT@year
2189                 \def\NAT@temp{?}%
2190                 \ifx\NAT@temp\NAT@exlab\PackageWarningNoLine{natbib}%
2191                     {Multiple citation on page \thepage: same authors and
2192                     year\MessageBreak without distinguishing extra
2193                     letter,\MessageBreak appears as question mark}\fi
2194                 \NAT@hyper@{\NAT@exlab}%
2195             \else
2196                 \unskip\NAT@spacechar
2197                 \NAT@hyper@{\NAT@date}%
2198             \fi
2199         \else
2200             \@citea\NAT@hyper@{%
2201                 \NAT@nmfmt{\NAT@nm}%
2202                 \hyper@natlinkbreak{\NAT@spacechar\NAT@@open\if*#1*\else#1\NAT@spacechar\fi}%
2203                 {\@citeb\@extra@b@citeb}%
2204                 \NAT@date
2205             }%
2206         \fi
2207     \fi
2208 \or\@citea\NAT@hyper@{\NAT@nmfmt{\NAT@nm}}%
2209 \or\@citea\NAT@hyper@{\NAT@date}%
2210 \or\@citea\NAT@hyper@{\NAT@alias}%
2211 \fi
2212 \if\relax\NAT@date\relax
2213     \NAT@def@citea
2214 \else
2215     \NAT@def@citea@close
2216 \fi
2217 \fi
2218 }}\ifNAT@swa\else\if*#2*\else\NAT@cmt#2\fi
2219 \if\relax\NAT@date\relax\else\NAT@@close\fi\fi}}{#1}{#2}}
2220 \newcommand\NAT@Latin@citexnum{}

```



```

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

```



```

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

```

45 File packages-localize-xetex-xepersian.def

```

2313 packages} \-localize-xetex-xepersian.def}[2025/01/03 v0.3 localizing LaTeX2e Packages
2314 color} \}{color} @\-localize-xetex-xepersian.def}}{
2315 \ApplyPatchCodeToPackage{multicol}{%
2316 \newenvironment{ }{\begin{multicols}}{\end{multicols}}%
2317 \newenvironment{ *}{\begin{multicols*}}{\end{multicols*}}%
2318 }
2319 \ApplyPatchCodeToPackage{verbatim}{%
2320 \begingroup
2321 \vrb@catcodes
2322 \lccode`!=`\\ \lccode`\[=`{\ \lccode`]=`\\
2323 \catcode`\-`=\active \lccode`\-`=`^M
2324 \lccode`\C=`\C
2325 \lowercase{\endgroup

```




```

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

```



```

2380         \expandafter{\@tempc}%
2381         \def\next{\xepersian@localize@verbatim@!}%
2382         \else \expandafter\def\expandafter\@tempc\expandafter
2383             {\@tempc#1}\fi\fi\fi
2384         \next}%
2385 \def\xepersian@localize@verbatim@ttestend{%
2386     \ifx\@tempc\@currenenvir
2387         \verbatim@finish
2388         \edef\next{\noexpand\end{\@currenenvir}%
2389             \noexpand\xepersian@localize@verbatim@rescan{\@currenenvir}}%
2390     \else
2391         \expandafter\verbatim@addtoline
2392         \expandafter{\the\@temptokena[]}%
2393         \expandafter\verbatim@addtoline
2394         \expandafter{\@tempc[]}%
2395         \let\next\xepersian@localize@verbatim@
2396     \fi
2397     \next}%
2398 \def\xepersian@localize@verbatim@rescan#1#2~{\if\noexpand~\noexpand#2~\else
2399     \@warning{Characters dropped after `string\end{#1}'}\fi}%
2400 \def\
2401     {\begingroup\@verbatim \frenchspacing\@vobeyspaces
2402     \xepersian@localize@verbatim@start}
2403 \namedef{
2404     *}{\begingroup\@verbatim\xepersian@localize@verbatim@start}
2405 \def\end
2406     {\endtrivlist\endgroup\@doendpe}
2407 \expandafter\let\csname end
2408     *\endcsname =\end
2409 }
2410 \ExplSyntaxOn
2411 \AtBeginDocument{
2412     \xepersian_localize_patch_verbatim:
2413 }
2414 \cs_set:Npn \xepersian_localize_patch_verbatim: {
2415     \ApplyPatchCodeToPackage{verbatim}{
2416         \cs_set:cpn {*
2417         } }
2418         \group_begin: \@verbatim \fontspec_print_visible_spaces: \xepersian@localize@verbatim@
2419     }
2420 }
2421 \ExplSyntaxOff
2422 \ApplyPatchCodeToPackage{graphicx}{%
2423 \def\Gin@boolkey#1#2{%
2424 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2425 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2true\endcsname}%
2426 \expandafter\@ifdefinable \csname Gin@#2 \endcsname{%
2427 \expandafter\let\csname Gin@#2 \expandafter\endcsname\csname Gin@#2false\endcsname}%
2428 \csname Gin@#2\ifx\relax#1\relax true\else#1\fi\endcsname}
2429 \define@key{Grot}{origin}[c]{%
2430 \@tfor\@tempa:=#1\do{%
2431 \if l\@tempa \Grot@x\z@ \else
2432 \if tempa@ \Grot@x\z@ \else
2433 \if r\@tempa \Grot@x\width \else
2434 \if tempa@ \Grot@x\width \else
2435 \if t\@tempa \Grot@y\height \else
2436 \if tempa@ \Grot@y\height \else
2437 \if b\@tempa \Grot@y-\depth \else

```



```

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

```

46 File url-xetex-xepersian.def

```

2460 \ProvidesFile{url-xetex-xepersian.def}[2022/02/18 v0.1 xepersian adaptations for url package
2461 \begingroup
2462 \lccode`+=`\% \lccode`~=`\%
2463 \lowercase {\long\gdef\Url@actpercent{\Url@Edit\Url@String{+}{~}%
2464 \ifnum\Umathcodenum`\%<32768 \def~{\%}\fi}}%
2465 \endgroup%

```

47 File persian-tex-text.map

```

2466 LHSName "persian-TeX-text"
2467 RHSName "Unicode"
2468
2469 pass(Unicode)
2470 U+0030 <> U+06F0 ;
2471 U+0031 <> U+06F1 ;
2472 U+0032 <> U+06F2 ;
2473 U+0033 <> U+06F3 ;
2474 U+0034 <> U+06F4 ;
2475 U+0035 <> U+06F5 ;
2476 U+0036 <> U+06F6 ;
2477 U+0037 <> U+06F7 ;
2478 U+0038 <> U+06F8 ;
2479 U+0039 <> U+06F9 ;
2480
2481

```



```

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

```

48 File persian-tex-text-nonnumbers.map

```

2504 LHSName "persian-TeX-text-nonnumbers"
2505 RHSName "Unicode"
2506
2507 pass(Unicode)
2508 U+002C <> U+060C ; comma > arabic comma
2509 U+003F <> U+061F ; question mark -> arabic qm
2510 U+003B <> U+061B ; semicolon -> arabic semicolon
2511
2512 ; ligatures from Knuth's original CMR fonts
2513 U+002D U+002D <> U+2013 ; -- -> en dash
2514 U+002D U+002D U+002D <> U+2014 ; --- -> em dash
2515
2516 U+0027 <> U+2019 ; ' -> right single quote
2517 U+0027 U+0027 <> U+201D ; '' -> right double quote
2518 U+0022 > U+201D ; " -> right double quote
2519
2520 U+0060 <> U+2018 ; ` -> left single quote
2521 U+0060 U+0060 <> U+201C ; `` -> left double quote
2522
2523 U+0021 U+0060 <> U+00A1 ; !` -> inverted exclam
2524 U+003F U+0060 <> U+00BF ; ?` -> inverted question
2525
2526 ; additions supported in T1 encoding
2527 U+002C U+002C <> U+201E ; ,, -> DOUBLE LOW-9 QUOTATION MARK
2528 U+003C U+003C <> U+00AB ; << -> LEFT POINTING GUILLEMET
2529 U+003E U+003E <> U+00BB ; >> -> RIGHT POINTING GUILLEMET

```

49 File rapport1-xetex-xepersian.def



```

2530 \ProvidesFile{rapport1-xetex-xepersian.def}[2010/07/25 v0.1 xepersian adaptations for rapport
2531 \renewcommand*\thepart{\@tartibi\c@part}
2532 \renewcommand*\appendix{\par
2533   \setcounter{chapter}{0}%
2534   \setcounter{section}{0}%
2535   \gdef\@chapapp{\appendixname}%
2536   \gdef\thechapter{\@harfi\c@chapter}}

```

50 File rapport3-xetex-xepersian.def

```

2537 \ProvidesFile{rapport3-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for rapport
2538 \renewcommand*\thepart{\@tartibi\c@part}
2539 \renewcommand*\appendix{\par
2540   \setcounter{chapter}{0}%
2541   \setcounter{section}{0}%
2542   \gdef\@chapapp{\appendixname}%
2543   \gdef\thechapter{\@harfi\c@chapter}}

```

51 File refrep-xetex-xepersian.def

```

2544 \ProvidesFile{refrep-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for refrep cl
2545 \renewcommand \thepart {\@tartibi\c@part}
2546 \renewcommand\appendix{\par
2547   \setcounter{chapter}{0}%
2548   \setcounter{section}{0}%
2549   \gdef\@chapapp{\appendixname}%
2550   \gdef\thechapter{\@harfi\c@chapter}
2551 }%end appendix

```

52 File report-xetex-xepersian.def

```

2552 \ProvidesFile{report-xetex-xepersian.def}[2010/07/25 v0.2 xepersian adaptations for report cl
2553 \renewcommand \thepart {\@tartibi\c@part}
2554 \renewcommand\appendix{\par
2555   \setcounter{chapter}{0}%
2556   \setcounter{section}{0}%
2557   \gdef\@chapapp{\appendixname}%
2558   \gdef\thechapter{\@harfi\c@chapter}
2559 }%end appendix

```

53 File scartcl-xetex-xepersian.def

```

2560 \ProvidesFile{scartcl-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scartcl
2561 \renewcommand*\thepart{\@tartibi\c@part}
2562 \renewcommand*\appendix{%
2563   \Ifstr{\@currenenv}{appendix}{%
2564     \ClassWarning{\KOMAClassName}{%
2565       You are using
2566       `string\begin{appendix}...string\end{appendix}'.\MessageBreak
2567       You should note, that `string\appendix' is a mostly
2568       globally\MessageBreak
2569       working command not an enviroment with only local\MessageBreak
2570       effects. Therefore `string\end{appendix}' will neither\MessageBreak
2571       switch back to normal section numbering nor finish\MessageBreak

```



```

2572     every other effect of `string\begin{appendix}'.\MessageBreak
2573     Nevertheless, some effects may end with\MessageBreak
2574     `string\end{appendix}' and the document may become\MessageBreak
2575     inconsistent.\MessageBreak
2576     Because of this, you should remove `string\end{appendix}'.\MessageBreak
2577     and replace `string\begin{appendix}' by command\MessageBreak
2578     `string\appendix'%
2579     }%
2580 }{}%
2581 \par
2582 \setcounter{section}{0}%
2583 \setcounter{subsection}{0}%
2584 \gdef\thesection{\@harfi@c@section}%
2585 }
2586 \IfLTXAtLeastTF{2020/10/01}{%
2587   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2588 }{}
2589 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2590 \renewcommand*{\@maybeautodot}[1]{%
2591   \ifx #1\@stop\let\@maybeautodot\relax
2592   \else
2593     \ifx #1\harfi \@autodottrue\fi
2594     \ifx #1\adadi \@autodottrue\fi
2595     \ifx #1\tartibi \@autodottrue\fi
2596     \ifx #1\Alph \@autodottrue\fi
2597     \ifx #1\alph \@autodottrue\fi
2598     \ifx #1\Roman \@autodottrue\fi
2599     \ifx #1\roman \@autodottrue\fi
2600     \ifx #1\@harfi \@autodottrue\fi
2601     \ifx #1\@adadi \@autodottrue\fi
2602     \ifx #1\@tartibi \@autodottrue\fi
2603     \ifx #1\@Alph \@autodottrue\fi
2604     \ifx #1\@alph \@autodottrue\fi
2605     \ifx #1\@Roman \@autodottrue\fi
2606     \ifx #1\@roman \@autodottrue\fi
2607     \ifx #1\romannumeral \@autodottrue\fi
2608   \fi
2609   \@maybeautodot
2610 }

```

54 File scrbook-xetex-xepersian.def

```

2611 \ProvidesFile{scrbook-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrbook
2612 \renewcommand*\frontmatter{%
2613   \if@twoside\cleardoubleoddpagel\else\clearpage\fi
2614   \@mainmatterfalse\pagenumbering{\harfi}%
2615 }
2616 \renewcommand*\thepart{\@tartibi@c@part}
2617 \renewcommand*\appendix{%
2618   \Ifstr{\@currenvir}{appendix}{%
2619     \ClassWarning{\KOMAClassName}{%
2620       You are using
2621       `string\begin{appendix}...\string\end{appendix}'.\MessageBreak
2622       You should note, that `string\appendix' is a mostly

```



```

2623     globally\MessageBreak
2624     working command not an enviroment with only local\MessageBreak
2625     effects. Therefore \string\end{appendix} will neither\MessageBreak
2626     switch back to normal section numbering nor finish\MessageBreak
2627     every other effect of \string\begin{appendix}. \MessageBreak
2628     Nevertheless, some effects may end with\MessageBreak
2629     \string\end{appendix} and the document may become\MessageBreak
2630     inconsistent. \MessageBreak
2631     Because of this, you should remove \string\end{appendix} \MessageBreak
2632     and replace \string\begin{appendix} by command \MessageBreak
2633     \string\appendix%
2634   }%
2635 }{}%
2636 \par
2637 \setcounter{chapter}{0}%
2638 \setcounter{section}{0}%
2639 \gdef\@chapapp{\appendixname}%
2640 \gdef\thechapter{\@harfi\c@chapter}%
2641 }
2642 \IfLTXAtLeastTF{2020/10/01}{%
2643   \g@addto@macro{\appendix}{\UseOneTimeHook{\KOMAClassName/appendix}}%
2644 }{}
2645 \g@addto@macro{\appendix}{\csname appendixmore\endcsname}
2646 \renewcommand*{\@maybeautodot}[1]{%
2647   \ifx #1\@stop\let\@maybeautodot\relax
2648   \else
2649     \ifx #1\harfi \@autodottrue\fi
2650     \ifx #1\adadi \@autodottrue\fi
2651     \ifx #1\tartibi \@autodottrue\fi
2652     \ifx #1\Alph \@autodottrue\fi
2653     \ifx #1\alph \@autodottrue\fi
2654     \ifx #1\Roman \@autodottrue\fi
2655     \ifx #1\roman \@autodottrue\fi
2656     \ifx #1\@harfi \@autodottrue\fi
2657     \ifx #1\@adadi \@autodottrue\fi
2658     \ifx #1\@tartibi \@autodottrue\fi
2659     \ifx #1\@Alph \@autodottrue\fi
2660     \ifx #1\@alph \@autodottrue\fi
2661     \ifx #1\@Roman \@autodottrue\fi
2662     \ifx #1\@roman \@autodottrue\fi
2663     \ifx #1\romannumeral \@autodottrue\fi
2664   \fi
2665   \@maybeautodot
2666 }

```

55 File `scrreprt-xetex-xepersian.def`

```

2667 \ProvidesFile{scrreprt-xetex-xepersian.def}[2022/05/22 v0.3 xepersian adaptations for scrreprt]
2668 \renewcommand*{\thepart}{\@tartibi\c@part}
2669 \renewcommand*\appendix{%
2670   \Ifstr{\@currenvir}{appendix}{%
2671     \ClassWarning{\KOMAClassName}{%
2672       You are using
2673       \string\begin{appendix}... \string\end{appendix}. \MessageBreak

```



```

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

```

56 File soul-xetex-xepersian.def

```

2719 \ProvidesFile{soul-xetex-xepersian.def}[2018/12/12 v0.2 xepersian adaptations for soul package]
2720 \let\SOUL@tt@latin\SOUL@tt
2721 \newfontface{\SOUL@tt@nonlatin}{Times New Roman}
2722 \def\SOUL@tt{%
2723 \if@nonlatin
2724 \SOUL@tt@nonlatin

```




```

2725 \else
2726 \SOUL@tt@latin
2727 \fi
2728 }
2729 \bidi@appto\resetlatinfont{%
2730 \setbox\z@\hbox{\SOUL@tt-}%
2731 \SOUL@ttwidth\wd\z@
2732 }
2733 \bidi@appto\setpersianfont{%
2734 \setbox\z@\hbox{\SOUL@tt-}%
2735 \SOUL@ttwidth\wd\z@
2736 }

```

57 File tkz-linknodes-xetex-xepersian.def

```

2737 \ProvidesFile{tkz-linknodes-xetex-xepersian.def}[2012/06/13 v0.1 xepersian adaptations for tkz-linknodes]
2738 \renewcommand*{\@SetTab}{%
2739 \let\@alph\@latalph%
2740 \ifnum \value{C@NumTab}>25\relax%
2741 \setcounter{C@NumTab}{1}%
2742 \else%
2743 \stepcounter{C@NumTab}%
2744 \fi%
2745 \setcounter{C@NumGroup}{0}%
2746 \newcommand*{\PrefixCurrentTab}{\alph{C@NumTab}}
2747 \setboolean{B@FirstLink}{true}
2748 \setboolean{B@NewGroup}{false}
2749 \setcounter{C@NumGroup}{0}
2750 \setcounter{C@CurrentGroup}{0}
2751 \setcounter{NumC@Node}{0}
2752 \setcounter{NumC@Stop}{0}
2753 \setcounter{C@NextNode}{0}
2754 \setcounter{C@CurrentStop}{0}
2755 \setcounter{C@CurrentNode}{0}
2756 }%

```

58 File tocloft-xetex-xepersian.def

```

2757 \ProvidesFile{tocloft-xetex-xepersian.def}[2025/01/03 v0.2 xepersian adaptations for tocloft]
2758 \IfClassLoadedT{memoir}{\endinput}
2759 \renewcommand*{\cftchapname}{\if@RTL else\ chapter\fi}
2760 \renewcommand*{\cftsecname}{\if@RTL else\ section\fi}
2761 \renewcommand*{\cftsubsecname}{\if@RTL else\ subsection\fi}
2762 \renewcommand*{\cftsubsubsecname}{\if@RTL else\ subsubsection\fi}
2763 \renewcommand*{\cftparaname}{\if@RTL else\ paragraph\fi}
2764 \renewcommand*{\cftsubparaname}{\if@RTL else\ subparagraph\fi}
2765 \renewcommand*{\cftfigname}{\if@RTL else\ figure\fi}
2766 \renewcommand*{\cftsubfigname}{\if@RTL else\ subfigure\fi}
2767 \renewcommand*{\cfttabname}{\if@RTL else\ table\fi}
2768 \renewcommand*{\cftsubtabname}{\if@RTL else\ subtable\fi}

```

59 File varioref-xetex-xepersian.def

```

2769 \ProvidesFile{varioref-xetex-xepersian.def}[2018/09/29 v0.1 xepersian adaptations for varioref]

```



```

2770 \def\reftextfaceafter{%
2771   \if@RTL
2772
2773 \reftextvario{ }{ }%
2774   \else
2775     on the \reftextvario{facing}{next} page%
2776   \fi
2777 }
2778 \def\reftextfacebefore{%
2779   \if@RTL
2780
2781 \reftextvario{ }{ }%
2782   \else
2783     on the \reftextvario{facing}{preceding} page%
2784   \fi
2785 }
2786 \def\reftextafter{%
2787   \if@RTL
2788
2789 \reftextvario{ }{ }%
2790   \else
2791     on the \reftextvario{following}{next} page%
2792   \fi
2793 }
2794 \def\reftextbefore{%
2795   \if@RTL
2796
2797 \reftextvario{ }{ }%
2798   \else
2799     on the \reftextvario{preceding}{previous} page%
2800   \fi
2801 }
2802 \def\reftextcurrent{%
2803   \if@RTL
2804
2805 \reftextvario{ }{ }%
2806   \else
2807     on \reftextvario{this}{the current} page%
2808   \fi
2809 }
2810 \def\reftextfaraway#1{%
2811   \if@RTL
2812   %
2813 ~\pageref{#1}%
2814   \else
2815     on page~\pageref{#1}%
2816   \fi
2817 }
2818 \def\reftextpagerange#1#2{%
2819   \if@RTL
2820   %
2821 ~\pageref{#1}--\pageref{#2}%
2822   \else
2823     on pages~\pageref{#1}--\pageref{#2}%

```



```

2824 \fi
2825 }
2826 \def\reftextlabelrange#1#2{%
2827 \if@RTL
2828 \ref{#1} %ref{#2}\~
2829 \else
2830 \ref{#1} to~\ref{#2}%
2831 \fi
2832 }

```

60 File xepersian.sty

```

2833 \NeedsTeXFormat{LaTeX2e}
2834 \def\xepersian@version{26.2}
2835 \def\xepersian@date{2025/01/16}
2836 \def\xepersian@releasename{Persian Gate}
2837 \def\xepersian@persian@@releasename{  {
2838 \newcommand*\xepersianreleasename}{\if@RTL\xepersian@persian@@releasename\else\xepersian@releasename}
2839 \ProvidesPackage{xepersian}[\xepersian@date\space v\xepersian@version\space (Release \xepersian@releasename)]
2840 Persian typesetting in XeLaTeX]
2841 \newif\if@xepersian@banner
2842 \newif\if@xepersian@@computeautoilg
2843 \DeclareUnknownKeyHandler{%
2844 \PassOptionsToPackage{\CurrentOption}{bidi}%
2845 }
2846 \ExplSyntaxOn
2847 \msg_new:nnn {xepersian} {cannot-use-engine}
2848 {
2849   Oops!~can~not~use~\c_sys_engine_str.\\\
2850   The~xepersian~package~requires~XeTeX.
2851 }
2852 \sys_if_engine_xetex:F
2853 {
2854 \msg_fatal:nn {xepersian} {cannot-use-engine}
2855 }
2856
2857 \keys_define:nn { xepersian }
2858 {
2859   banner .choice: ,
2860   banner / on .code:n =
2861     \@xepersian@bannertrue
2862     \PassOptionsToPackage{banner=on}{bidi} ,
2863   banner / off .code:n =
2864     \@xepersian@bannerfalse
2865     \PassOptionsToPackage{banner=off}{bidi} ,
2866   banner .default:n = on
2867 }
2868 \keys_define:nn { xepersian }
2869 {
2870   mathdigits .choice: ,
2871   mathdigits / automatic .code:n = \AtEndOfPackage{\AutoMathDigits} ,
2872   mathdigits / default .code:n = \AtEndOfPackage{\DefaultMathDigits} ,
2873   mathdigits / persian .code:n = \AtEndOfPackage{\PersianMathDigits}
2874 }

```



```

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

```



```

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

```



```

2983     \bidi@AtEndPreamble{%
2984         \bidi@patchcmd\xepersian@start@switch@textdigitfont\xepersian@textdigitfont{%
2985             \addfontfeature{Color=C71585}
2986         }{}{}
2987     }
2988 } ,
2989 debugtextdigitfont / off .code:n = \relax ,
2990 debugtextdigitfont .default:n = on
2991 }
2992 \keys_set:nn { xepersian }
2993 {
2994     banner = on ,
2995     abjad-variant = two ,
2996     fontsizescale = \@ne ,
2997     latinfontsizescale = \@ne ,
2998     mathfontsizescale = \@ne ,
2999     baselineskipscale = \@ne ,
3000     latinbaselineskipscale = \@ne
3001 }
3002 \ExplSyntaxOff
3003 \ProcessKeyOptions
3004 \edef\xepersian@info{*****^^J%
3005 * ^^J%
3006 * xepersian package (Persian for LaTeX, using XeTeX engine)^^J%
3007 * ^^J%
3008 * Description: The package supports Persian^^J%
3009 * typesetting, using fonts provided in the^^J%
3010 * distribution.^^J%
3011 * ^^J%
3012 * Copyright (c) 2008--2025 Vafa Khalighi^^J%
3013 * Copyright (c) 2018--2020 bidi-tex GitHub Organization^^J%
3014 * ^^J%
3015 * v\xepersian@version\space (Release \xepersian@releasename), \xepersian@date^^J%
3016 * ^^J%
3017 * License: LaTeX Project Public License, version^^J%
3018 * 1.3c or higher (your choice)^^J%
3019 * ^^J%
3020 * Location on CTAN: /macros/xetex/latex/xepersian^^J%
3021 * ^^J%
3022 * Issue tracker: https://github.com/xepersian/xepersian/issues^^J%
3023 * ^^J%
3024 * Discussions: https://github.com/xepersian/xepersian/discussions^^J%
3025 * ^^J%
3026 * Primary author of xepersian package: Vafa Khalighi.^^J%
3027 * ^^J%
3028 *****}
3029 \edef\xepersian@everyjob{\the\everyjob}
3030 \if\xepersian@banner
3031     \typeout{\xepersian@info}
3032     \everyjob{\xepersian@everyjob\typeout{\xepersian@info}}
3033 \fi
3034 \RequirePackage{fontspec}
3035 \RequirePackage{xepersian-persiancal}
3036 \RequirePackage{xepersian-mathdigitfont}

```



```

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

```



```

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

```




```

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

```



```

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

```



```

3253 \DeclareDocumentCommand \redeflatinfont { m 0{} m 0{} }
3254 {
3255   \_xepersian_main_deflatinfont:NnnN #1 {#2,#4} {#3}
3256   \RenewDocumentCommand
3257 }
3258 \cs_new:Nn \_xepersian_main_deflatinfont:NnnN
3259 {
3260   \fontspec_set_family:cnn { l__fontspec_ \cs_to_str:N #1 _family_tl } {Ligatures=TeX,#2} {#3}
3261   \use:x
3262   {
3263     \exp_not:N #4 \exp_not:N #1 {}
3264     {
3265       \exp_not:N \fontfamily { \use:c {l__fontspec_ \cs_to_str:N #1 _family_tl } }
3266       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3267       \exp_not:N \selectfont
3268     }
3269   }
3270 }
3271
3272 \newcommand\persiansfdefault{}
3273 \newcommand\persianttdefault{}
3274 \newcommand\iranicsfdefault{}
3275 \newcommand\navarsfdefault{}
3276 \newcommand\pooksfdefault{}
3277 \newcommand\sayehsfdefault{}
3278 \DeclareRobustCommand\persiansffamily
3279   {\not@math@alphabet\persiansffamily\mathpersiansf
3280   \fontfamily\persiansfdefault\selectfont}
3281 \DeclareRobustCommand\persianttfamily
3282   {\not@math@alphabet\persianttfamily\mathpersiantt
3283   \fontfamily\persianttdefault\selectfont}
3284 \DeclareRobustCommand\iranicsfamily
3285   {\not@math@alphabet\iranicsfamily\mathiranics
3286   \fontfamily\iranicsfdefault\selectfont}
3287 \DeclareRobustCommand\navarsfamily
3288   {\not@math@alphabet\navarsfamily\mathnavar
3289   \fontfamily\navarsfdefault\selectfont}
3290 \DeclareRobustCommand\pooksfamily
3291   {\not@math@alphabet\pooksfamily\mathpook
3292   \fontfamily\pooksfdefault\selectfont}
3293 \DeclareRobustCommand\sayehfamily
3294   {\not@math@alphabet\sayehfamily\mathsayeh
3295   \fontfamily\sayehsfdefault\selectfont}
3296 \DeclareTextFontCommand{\textpersiansf}{\persiansffamily}
3297 \DeclareTextFontCommand{\textpersiantt}{\persianttfamily}
3298 \DeclareTextFontCommand{\textiranics}{\iranicsfamily}
3299 \DeclareTextFontCommand{\textnavar}{\navarsfamily}
3300 \DeclareTextFontCommand{\textpook}{\pooksfamily}
3301 \DeclareTextFontCommand{\textsayeh}{\sayehfamily}
3302
3303 \DeclareDocumentCommand \setpersiansansfont { 0{} m 0{} }
3304 {
3305   \_xepersian_main_setpersiansansfont:nn {#1,#3} {#2}
3306   \ignorespaces

```



```

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

```



```

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

```



```

3415 \str_if_eq:eeT {\familydefault} {\sayehdefault}
3416 { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3417 \__xepersian_setsayehfont_hook:nn {#1} {#2}
3418 \normalfont
3419 }
3420
3421 \cs_set_eq:NN \__xepersian_setsayehfont_hook:nn \use_none:nn
3422
3423 \DeclareDocumentCommand \setiraniconfont { O{} m O{} }
3424 {
3425   \__xepersian_main_setiraniconfont:nn {#1,#3} {#2}
3426   \ignorespaces
3427 }
3428 \cs_new:Nn \__xepersian_main_setiraniconfont:nn
3429 {
3430   \fontspec_set_family:Nnn \l__fontspec_iraniconfamily_family_tl {RawFeature={script=arab},Ligatures=No}
3431   \tl_set_eq:NN \iraniconfontdefault \l__fontspec_iraniconfamily_family_tl
3432   \use:x { \exp_not:n { \DeclareRobustCommand \iraniconfont }
3433     {
3434       \exp_not:N \fontencoding { \g__fontspec_nfss_enc_tl }
3435       \exp_not:N \fontfamily { \l__fontspec_iraniconfamily_family_tl }
3436       \exp_not:N \selectfont
3437     }
3438   }
3439   \str_if_eq:eeT {\familydefault} {\iraniconfontdefault}
3440   { \tl_set_eq:NN \encodingdefault \g__fontspec_nfss_enc_tl }
3441   \__xepersian_setiraniconfont_hook:nn {#1} {#2}
3442   \normalfont
3443 }
3444
3445 \cs_set_eq:NN \__xepersian_setiraniconfont_hook:nn \use_none:nn
3446
3447 \ExplSyntaxOff
3448 \def\resetlatinfont{%
3449 \let\@xepersian@@fontsize@scale\xepersian@@fontsize@scale%
3450 \let\@xepersian@@baselineskip@scale\xepersian@@baselineskip@scale%
3451 \def\xepersian@@fontsize@scale{%
3452 \strip@pt\dimexpr 1pt * \dimexpr
3453 \xepersian@@latin@fontsize@scale pt\relax
3454 / \dimexpr \@xepersian@@fontsize@scale pt\relax\relax
3455 }%
3456 \def\xepersian@@baselineskip@scale{%
3457 \strip@pt\dimexpr 1pt * \dimexpr
3458 \xepersian@@latin@baselineskip@scale pt\relax
3459 / \dimexpr \@xepersian@@baselineskip@scale pt\relax\relax
3460 }%
3461 \@nonlatinfalse%
3462 \let\normalfont\latinfont%
3463 \let\reset@font\normalfont%
3464 \latinfont%
3465 \fontsize\@fontsize\@baselineskip%
3466 \selectfont%
3467 \let\xepersian@@fontsize@scale\xepersian@@latin@fontsize@scale%
3468 \let\xepersian@@baselineskip@scale\xepersian@@latin@baselineskip@scale%

```



```

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

```



```

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

```




```

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

```



```

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

```



```

3685     {\the\@tempdima}{\the\@tempdimb}%
3686   }%
3687   \setlength{\@tempdima}{1.2\@tempdimc}%
3688   \setlength{\@tempdimb}{\@tempb\@tempdima}%
3689   \edef\large{%
3690     \noexpand\@setfontsize\noexpand\large
3691     {\the\@tempdima}{\the\@tempdimb}%
3692   }%
3693   \setlength{\@tempdima}{1.44\@tempdimc}%
3694   \setlength{\@tempdimb}{\@tempb\@tempdima}%
3695   \edef\Large{%
3696     \noexpand\@setfontsize\noexpand\Large
3697     {\the\@tempdima}{\the\@tempdimb}%
3698   }%
3699   \setlength{\@tempdima}{1.728\@tempdimc}%
3700   \setlength{\@tempdimb}{\@tempb\@tempdima}%
3701   \edef\LARGE{%
3702     \noexpand\@setfontsize\noexpand\LARGE
3703     {\the\@tempdima}{\the\@tempdimb}%
3704   }%
3705   \setlength{\@tempdima}{2.074\@tempdimc}%
3706   \setlength{\@tempdimb}{\@tempb\@tempdima}%
3707   \edef\huge{%
3708     \noexpand\@setfontsize\noexpand\huge
3709     {\the\@tempdima}{\the\@tempdimb}%
3710   }%
3711   \setlength{\@tempdima}{2.488\@tempdimc}%
3712   \setlength{\@tempdimb}{\@tempb\@tempdima}%
3713   \edef\Huge{%
3714     \noexpand\@setfontsize\noexpand\Huge
3715     {\the\@tempdima}{\the\@tempdimb}%
3716   }%
3717   \normalsize
3718   \setlength{\@tempdimb}{\f@baselineskip}%
3719   \xepersian@setlength{\parsep}%
3720     {.3333\@tempdimb}{.1667\@tempdimb}{.0833\@tempdimb}%
3721   \xepersian@setlength{\topsep}%
3722     {.6667\@tempdimb}{.1667\@tempdimb}{.3333\@tempdimb}%
3723   \@tempswafalse
3724   \begingroup
3725     \def\@list@extra{\aftergroup\@tempswatrue}%
3726     \csname @listi\endcsname
3727   \endgroup
3728   \edef\@listi{\leftmargin\leftmargini
3729     \topsep \the\topsep
3730     \parsep \the\parsep
3731     \itemsep \parsep
3732     \if@tempswa\noexpand\@list@extra\fi
3733   }%
3734   \let\@listI\@listi
3735   \xepersian@setlength{\parsep}%
3736     {.1667\@tempdimb}{.0833\@tempdimb}{.0833\@tempdimb}%
3737   \xepersian@setlength{\topsep}%
3738     {.3333\@tempdimb}{.1667\@tempdimb}{.1667\@tempdimb}%

```



```

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

```



```

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

```



```

3847 {\hss\bfseries
3848     {\today}   {\TypesetTime}
3849 \textsff{\XePersian}\quad\@bidi@logo{xepersian-logo.pdf}}
3850
3851 \renewcommand*{\@bidi@pdfcreator}{%
3852 The xepersian package, v\xepersian@version\space (Release \xepersian@releasename), \xepers
3853 }
3854
3855 \newcommand*{\@xepersian@pdfcustomproperties}{%
3856 This is the xepersian package, Version \xepersian@version\space (Release \xepersian@releas
3857 Released January 16, 2025.
3858 }
3859
3860 \newcommand\twocolumnstableofcontents{%
3861 \if@bidi@csundef{multi@column@out}{%
3862 \PackageError{xepersian}{Oops! you should load multicol package before xepersian package for
3863 \begin{multicols}{2}[\section*{\contentsname}]%
3864     \small
3865     \@starttoc{toc}%
3866 \end{multicols}}
3867 \bidi@newrobustcmd*{\XePersian}{\leavevmode$\smash{\hbox{X\lower.5ex
3868 \hbox{\kern-.125em\bidi@reflect@box{E}}Persian}}$}
3869 \AtBeginDocument{%
3870 \def\figurename{\if@RTL else\ Figure\fi}%
3871 \def\tablename{\if@RTL else\ Table\fi}%
3872 \def\contentsname{\if@RTL else\ Contents\fi}%
3873 \def\listfigurename{\if@RTL else\ List of Figures\fi}%
3874 \def\listtablename{\if@RTL else\ List of Tables\fi}%
3875 \def\appendixname{\if@RTL else\ Appendix\fi}%
3876 \def\indexname{\if@RTL else\ Index\fi}%
3877 \def\refname{\if@RTL else\ References\fi}%
3878 \def\abstractname{\if@RTL else\ Abstract\fi}%
3879 \def\partname{\if@RTL else\ Part\fi}%
3880 \def\datename{\if@RTL else\ Date:\fi}%
3881 \def\@and{\if@RTL else\ and\fi}%
3882 \def\bibName{\if@RTL else\ Bibliography\fi}%
3883 \def\chaptername{\if@RTL else\ Chapter\fi}%
3884 \def\ccname{\if@RTL else\ cc\fi}%
3885 \def\enclname{\if@RTL else\ encl\fi}%
3886 \def\pagename{\if@RTL else\ Page\fi}%
3887 \def\headtoname{\if@RTL else\ To\fi}%
3888 \def\proofname{\if@RTL else\ Proof\fi}%
3889 }
3890 \def\@Abjad#1{%
3891 \ifcase#1\or or\ or\ or\ %
3892     \or or\ or\ or\ or\ %
3893     \or or\ or\ or\ or\ %
3894     \or or\ or\ or\ %
3895     \or or\ or\ or\ or\ %
3896     \or or\ or\ or\ or\ %
3897     \else\@ctrerr\fi}
3898 \def\Abjad#1{\expandafter\@Abjad\csname c@#1\endcsname}
3899 \let\Abjadnumeral\@Abjad
3900 \def\@harfi#1{\ifcase#1\or or\ or\ or\ or\ or\

```



```

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

```



```

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

```




```

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

```



```

4063 \fi%
4064 \xepersian@sadgan@tartibi#7{#4#5#6}1#9%
4065 }
4066 \def\xepersian@milyoongan@tartibi#1#2#3{%
4067 \ifnum#1#2#3=\@ne%
4068 \xepersian@sadgan@tartibi#1#2#301\xepersian@yekanii%
4069 %
4070 %
4071 \else%
4072 \xepersian@sadgan#1#2#301\xepersian@yekanii%
4073 %
4074 %
4075 \fi%
4076 }
4077 \def\xepersian@sadgan@tartibi#1#2#3#4#5#6{%
4078 \ifnum#1>\z0%
4079 \ifnum#4#1>\@ne\xepersian@yekaniv#1\fi%
4080 %
4081 \ifnum#2#3>\z@\ \fi%
4082 \fi%
4083 \ifnum#2#3<20%
4084 \ifnum#5#2#3>\@ne\ifnum#1#2#3#4#5=10001 %\else#6{#2#3}\fi\fi\
4085 \else%
4086 \ifnum#2#3=30%
4087 \xepersian@dahgan@tartibi#2%
4088 \else%
4089 \xepersian@dahgan#2%
4090 \fi%
4091 \ifnum#3>\z@\ \xepersian@yekanv#3\fi%
4092 #60%
4093 \fi%
4094 }
4095 \def\xepersian@dahgan@tartibi#1{%
4096 \ifcase#1\or\or\ or\ or\ %
4097 \or\or\ or\ or\ %
4098 \or\ %fi\
4099 }
4100 \def\xepersian@tartibi#1{%
4101 \ifcase#1\or\or\ or\ or\ %
4102 \or\or\ or\ or\ or\ %
4103 \or\or\ or\ or\ %
4104 \or\or\ or\ %
4105 \or\or\ or\ %fi\
4106 }
4107 \def\xepersian@yekanv#1{%
4108 \ifcase#1\@empty\or\or\ or\ or\ or\ or\ %
4109 \or\or\ or\ or\ or\ or\ or\ %
4110 \or\or\ or\ or\ %
4111 \or\or\ %fi\
4112 }
4113 \providecommand*\xpg@warning}[1]{%
4114 \PackageWarning{XePersian}%
4115 {#1}}
4116 \if@bidi@csundef{@abjad}{%

```



```

4117 \def\@abjad#1{%
4118 \ifnum#1>1999 \xpg@warning{Illegal value (#1) for abjad numeral} {#1}
4119 \else
4120 \ifnum#1<\z@\space\xpg@warning{Illegal value (#1) for abjad numeral}%
4121 \else
4122 \ifnum#1<10\expandafter\abj@num@i\number#1%
4123 \else
4124 \ifnum#1<100\expandafter\abj@num@ii\number#1%
4125 \else
4126 \ifnum#1<\m\expandafter\abj@num@iii\number#1%
4127 \else
4128 \ifnum#1<\M\expandafter\abj@num@iv\number#1%since #1<2000, we must have 1000
4129 \fi
4130 \fi
4131 \fi
4132 \fi
4133 \fi
4134 \fi
4135 }
4136 \def\abjad#1{\expandafter\@abjad\csname c@#1\endcsname}
4137 \let\abjadnumeral\@abjad
4138 \def\abjad@zero{}
4139 \def\abj@num@i#1{%
4140 \ifcase#1\or or\ or\ or\ %
4141 \or or\ or\ or\ or\ fi\
4142 \ifnum#1=\z@\abjad@zero\fi}
4143 \def\abj@num@ii#1{%
4144 \ifcase#1\or or\ or\ or\ or\ %
4145 \or or\ or\ or\ or\ fi\
4146 \ifnum#1=\z@\fi\abj@num@i}
4147 \def\abj@num@iii#1{%
4148 \ifcase#1\or or\ or\ or\ or\ %
4149 \or or\ or\ or\ or\ fi\
4150 \ifnum#1=\z@\fi\abj@num@ii}
4151 \def\abj@num@iv#1{%
4152 \ifcase#1\or fi\
4153 \ifnum#1=\z@\fi\abj@num@iii}
4154 }{}
4155 \let\@latinalph\@alph%
4156 \let\@latinAlph\@Alph%
4157 \def\LatinAlphs{%
4158 \let\@alph\@latinalph%
4159 \let\@Alph\@latinAlph%
4160 }
4161 \def\thempfootnote{\itshape\@latinalph\c@mpfootnote}
4162 \renewcommand*{\bidi@thebibliography@font@hook}{%
4163 \if@LTRbibitens
4164 \resetlatinfont
4165 \fi}
4166 \bidi@AfterEndPreamble{%
4167 \if@bidi@csundef{persianfont}{%
4168 \PackageError{xepersian}{You have not specified any font\MessageBreak
4169 for the main Persian text}{Use \settextfont' to load a font.}%
4170 }{}}

```



```

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

```



```

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

```



```

4279 }{%
4280 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\sf@size\endcsname}%
4281 }{}{}
4282
4283 \bidi@patchcmd{\getanddefine@fonts}{%
4284 \xdef\font@name{\csname \string#2/\ssf@size\endcsname}%
4285 }{%
4286 \xdef\font@name{\csname \string#2/\xepersian@@update@math@fontsize\ssf@size\endcsname}%
4287 }{}{}
4288
4289
4290 \if@xepersian@@computeautoilg
4291 \bidi@patchcmd{\set@fontsize}{%
4292 \baselineskip\f@baselineskip\relax
4293 }{%
4294 \baselineskip\f@baselineskip\relax
4295 \xepersian@computeautoilg
4296 \ifdim\xepersian@strutilg>\baselineskip
4297 \PackageInfo{xepersian}{character with height+depth greater than current baselineskip found}
4298 \PackageInfo{xepersian}{baselineskip changed to that height+depth!}%
4299 \baselineskip\xepersian@strutilg
4300 \ifdim\footnotesep=.7\baselineskip
4301 \else
4302 \footnotesep=.7\baselineskip
4303 \fi
4304 \fi
4305 }{}{}
4306 \fi
4307
4308 \AtEndOfPackage{%
4309 \setlatintextfont[%
4310 Path,%
4311 BoldFont={lmroman10-bold},%
4312 BoldItalicFont={lmroman10-bolditalic},%
4313 ItalicFont={lmroman10-italic},%
4314 SmallCapsFont={lmromancaps10-regular},%
4315 SlantedFont={lmromanslant10-regular},%
4316 BoldSlantedFont={lmromanslant10-bold}%
4317 ]{lmroman10-regular}
4318 }
4319 \PersianAlphs

```

61 File xepersian-magazine.cls

```

4320 \NeedsTeXFormat{LaTeX2e}
4321 \ProvidesClass{xepersian-magazine}[2010/07/25 v0.2 Typesetting Persian magazines in XeLaTeX]
4322 \RequirePackage{ifthen}
4323 \newlength{xepersian@imgsize}
4324 \newlength{xepersian@coltitsize}
4325 \newlength{xepersian@pageneed}
4326 \newlength{xepersian@pageleft}
4327 \newlength{xepersian@indexwidth}
4328 \newcommand{xepersian@ncolumns}{0}
4329 \newlength{columnlines}

```



```

4330 \setlength{\columnlines}{0 pt} % no lines by default
4331 \newboolean{xepersian@hyphenatedtitles}
4332 \setboolean{xepersian@hyphenatedtitles}{true}
4333 \newboolean{xepersian@ninepoints}
4334 \setboolean{xepersian@ninepoints}{false}
4335 \newboolean{xepersian@showgrid}
4336 \setboolean{xepersian@showgrid}{false}
4337 \newboolean{xepersian@a3paper}
4338 \setboolean{xepersian@a3paper}{false}
4339 \newboolean{xepersian@insidefrontpage}
4340 \setboolean{xepersian@insidefrontpage}{false}
4341 \newboolean{xepersian@insideweather}
4342 \setboolean{xepersian@insideweather}{false}
4343 \newboolean{xepersian@insideindex}
4344 \setboolean{xepersian@insideindex}{false}
4345 \newcount\xepersian@gridrows
4346 \newcount\xepersian@gridcolumns
4347 \xepersian@gridrows=40
4348 \xepersian@gridcolumns=50
4349 \newcount\minraggedcols
4350 \minraggedcols=5
4351 \DeclareOption{10pt}{\PassOptionsToClass{10pt}{article}}
4352 \DeclareOption{11pt}{\PassOptionsToClass{11pt}{article}}
4353 \DeclareOption{12pt}{\PassOptionsToClass{12pt}{article}}
4354 \DeclareOption{twocolumn}%
4355 {ClassWarning{xepersian-magazine}{Option 'twocolumn' not available for xepersian-magazine.}}
4356 \DeclareOption{notitlepage}%
4357 {\ClassWarning{xepersian-magazine}{Option 'notitlepage' not available for xepersian-magazine.}}
4358 \DeclareOption{twoside}%
4359 {\ClassWarning{xepersian-magazine}{Option 'twoside' not available for xepersian-magazine.}}
4360 \DeclareOption{9pt}{\setboolean{xepersian@ninepoints}{true}}
4361 \DeclareOption{hyphenatedtitles}{\setboolean{xepersian@hyphenatedtitles}{false}}
4362 \DeclareOption{columnlines}{\setlength{\columnlines}{0.1 pt}}
4363 \DeclareOption{showgrid}{\setboolean{xepersian@showgrid}{true}}
4364 \DeclareOption{a3paper}{\setboolean{xepersian@a3paper}{true}}
4365 \ProcessOptions\relax
4366 \LoadClass[10pt, onecolumn, titlepage, a4paper]{article}
4367 \RequirePackage{ifxetex}
4368 \RequirePackage{multido}
4369 \RequirePackage{datetime}
4370 \RequirePackage{multicol}
4371 \RequirePackage{fancyhdr}
4372 \RequirePackage{fancybox}
4373 \ifthenelse{\boolean{xepersian@a3paper}}{%
4374 \RequirePackage[a3paper, headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4375 }{
4376 \RequirePackage[headsep=0.5cm, vmargin={2cm, 2cm}, hmargin={1.5cm, 1.5cm}]{geometry}
4377 }
4378 \RequirePackage[absolute]{textpos} % absolute positioning
4379 \RequirePackage{hyphenat} % when hyphenate
4380 \RequirePackage{lastpage} % to know the last page number
4381 \RequirePackage{setspace} % set space between lines
4382 \RequirePackage{ragged2e}
4383 \newcommand{\raggedFormat}{\RaggedLeft}

```



```

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

```




```

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

```



```

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

```



```

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

```



```

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

```



```

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

```



```

4708
4709 }
4710 \newcommand{\minilogo}[0]{
4711 {\large\bfseries \@customminilogo}
4712
4713 \vspace*{5pt}
4714 }
4715 \newcommand{\mylogo}[1]{
4716 {\beginR#1\endR}
4717
4718 \noindent
4719 \xepersian@editionLogo\hspace{5pt}
4720 \hrulefill
4721 \hspace{5pt}\xepersian@headDateTime
4722 }
4723 \newcommand{\edition}[1]{\renewcommand{\xepersian@edition}{#1}}
4724 \newenvironment{frontpage}[0]
4725 {
4726 \setboolean{xepersian@insidefrontpage}{true}
4727 \thispagestyle{empty}
4728 \logo
4729
4730 }%
4731 {
4732 \thispagestyle{empty}
4733 \clearpage
4734 \newpage
4735 \fancyhead{}
4736 \fancyfoot{}
4737 \fancyhead[R0,LE]{\beginR\xepersian@headright\endR}
4738 \fancyhead[L0,RE]{\beginR\xepersian@headleft\endR}
4739 \fancyhead[C]{\beginR\xepersian@headcenter\endR}
4740 \fancyfoot[R0,LE]{\beginR\xepersian@footright\endR}
4741 \fancyfoot[L0,RE]{\beginR\xepersian@footleft\endR}
4742 \fancyfoot[C]{\beginR\xepersian@footcenter\endR}
4743 \renewcommand{\headrulewidth}{0.4pt}
4744 \setboolean{xepersian@insidefrontpage}{false}
4745
4746 }
4747 \newcommand{\firstarticle}[3]
4748 {
4749 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4750 \ifthenelse{\boolean{xepersian@hyphenatedtitles}}{%
4751 \begin{textblock}{24}(22,5)
4752 }
4753 {
4754 \begin{textblock}{28}(22,5)
4755 }
4756 \vspace{-7pt}
4757 \xepersian@firstTitle{#1}
4758 \end{textblock}
4759 \begin{textblock}{29}(22,10)
4760 \vspace{5pt plus 2pt minus 2pt}
4761

```



```

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

```



```

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

```




```

4870 \begin{minipage}{50pt}
4871 \weatherTempFormat
4872 #2\\
4873 \beginL#3 $\|$ #4 \lr{\weatherUnits{}}\endL\\
4874 #5
4875 \end{minipage}
4876 }{%else
4877 \ClassError{xepersian-magazine}{%
4878 \protect\weatheritem\space in a wrong place.\MessageBreak
4879 \protect\weatheritem\space may only appear inside weatherblock environment.
4880 }{%
4881 \protect\weatheritem\space may only appear inside weatherblock environment.\MessageBreak
4882 weatherblock environment may only appear inside frontpage environment.
4883 }%
4884 }
4885 }
4886 \newenvironment{weatherblock}[1]
4887 {
4888 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4889 \setboolean{xepersian@insideweather}{true}
4890 \begin{textblock}{32}(2,38)
4891 \vspace*{-15pt}
4892
4893 \xepersian@weather{\beginR#1\endR}
4894
4895 \vspace*{5pt}
4896
4897 \noindent\begin{xepersian@fmpage}{32\TPHorizModule}
4898 \begin{minipage}{32\TPHorizModule}
4899 \hspace{5pt}
4900
4901 }{%
4902 \ClassError{xepersian-magazine}{%
4903 weatherblock in a wrong place.\MessageBreak
4904 weatherblock may only appear inside frontpage environment.
4905 }{%
4906 weatherblock may only appear inside frontpage environment.
4907 }
4908 }
4909 }%
4910 {
4911 \end{minipage}
4912 \end{xepersian@fmpage}
4913 \end{textblock}
4914 \setboolean{xepersian@insideweather}{false}
4915 }
4916 \newenvironment{authorblock}[0]
4917 {
4918 \ifthenelse{\boolean{xepersian@insidefrontpage}}{%
4919 \begin{textblock}{15}(36,35)
4920 \setlength{\fboxsep}{5pt}
4921 \begin{xepersian@fmpage}{13\TPHorizModule}
4922 \begin{minipage}{13\TPHorizModule}
4923 \centering

```



```

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

```



```

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

```



```

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

```



```

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

```



```

5140 \end{tabular}
5141 \end{center}
5142 }
5143 \newenvironment{editorial}[4]
5144 {
5145 \xepersian@say{Adding a new editorial}
5146 \begin{multicols}{#1}[%
5147 \xepersian@editorialTit{#2}{#3}%
5148 ] [4cm]
5149 \label{#4}
5150 \ifnum #1 > \minraggedcols
5151 \raggedFormat
5152 \fi
5153 }
5154 {
5155 \end{multicols}
5156 }
5157 \newcommand{\xepersian@shortarticleTit}[2]{
5158 \begin{center}
5159 \vbox{%
5160 \noindent
5161 \xepersian@shortarticleTitle{#1}
5162 \vspace{4pt plus 2pt minus 2pt}
5163 \hrule
5164 \vspace{4pt plus 2pt minus 2pt}
5165 \xepersian@shortarticleSubtitle{#2}
5166 }
5167 \end{center}
5168 }
5169 \newenvironment{shortarticle}[4]
5170 {
5171 \xepersian@say{Adding a short article block}
5172 \begin{multicols}{#1}[\xepersian@shortarticleTit{#2}{#3}] [4cm] %
5173 \label{#4}
5174 \par %
5175 \ifnum #1 > \minraggedcols
5176 \raggedFormat
5177 \fi
5178 }
5179 {
5180 \end{multicols}
5181 }
5182 \newcommand{\shortarticleitem}[2]{
5183 \goodbreak
5184 \vspace{5pt plus 3pt minus 3pt}
5185 {\vbox{\noindent\xepersian@shortarticleItemTitle{#1}}}
5186 \vspace{5pt plus 3pt minus 3pt}
5187 {\noindent #2}\
5188 }

```

62 File xepersian-mathdigitspec.sty

```

5189 \NeedsTeXFormat{LaTeX2e}
5190 \ProvidesPackage{xepersian-mathdigitspec}

```



```

5191 [2025/01/08 v1.2.2 Unicode Persian math digits in XeLaTeX]
5192 \def\new@mathgroup{\alloc@8\mathgroup\chardef\@cclvi}
5193 \let\newfam\new@mathgroup
5194 \def\select@group#1#2#3#4{%
5195 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5196 {%
5197 \ifmmode
5198 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5199 \begin@group
5200 \escapechar\m@ne
5201 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5202 \globaldefs\@ne \math@fonts
5203 \endgroup
5204 \init@restore@version
5205 \xdef#1{\noexpand\use@mathgroup\noexpand#2%
5206 {\number\csname c@mv@\math@version\endcsname}}%
5207 \global\advance\csname c@mv@\math@version\endcsname\@ne
5208 \else
5209 \let#1\relax
5210 \@latex@error{Too many math alphabets used in
5211 version \math@version}%
5212 \@eha
5213 \fi
5214 \else \expandafter\non@alpherr\fi
5215 #1{#4}%
5216 }%
5217 }
5218 \def\document@select@group#1#2#3#4{%
5219 \ifx\math@bgroup\bgroup\else\relax\expandafter\@firstofone\fi
5220 {%
5221 \ifmmode
5222 \ifnum\csname c@mv@\math@version\endcsname<\@cclvi
5223 \begin@group
5224 \escapechar\m@ne
5225 \getanddefine@fonts{\csname c@mv@\math@version\endcsname}#3%
5226 \globaldefs\@ne \math@fonts
5227 \endgroup
5228 \expandafter\extract@alph@from@version
5229 \csname mv@\math@version\expandafter\endcsname
5230 \expandafter{\number\csname
5231 c@mv@\math@version\endcsname}%
5232 #1%
5233 \global\advance\csname c@mv@\math@version\endcsname\@ne
5234 \else
5235 \let#1\relax
5236 \@latex@error{Too many math alphabets used
5237 in version \math@version}%
5238 \@eha
5239 \fi
5240 \else \expandafter\non@alpherr\fi
5241 #1{#4}%
5242 }%
5243 }
5244 \ExplSyntaxOn

```



```

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

```




```

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

```



```

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

```



```

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

```



```

5461         \ifx\@let@decimalsep@token9\endgroup#1\else
5462         \ifx\@let@decimalsep@token0\endgroup#1\else
5463         \ifx\@let@decimalsep@token\dot\endgroup#1\else
5464         \ifx\@let@decimalsep@token\overline\endgroup#1\else
5465         \endgroup#2%
5466     \fi
5467 \fi
5468 \fi
5469 \fi
5470 \fi
5471 \fi
5472 \fi
5473 \fi
5474 \fi
5475 \fi
5476 \fi
5477 \fi}
5478 \AtBeginDocument{\mathcode`.="8000\relax}
5479 \def\MathDecimalSeparator{\ifx\persiandecimalseparator\undefined .\else \persiandecimalsepara
5480 \def\DefaultMathDecimalSeparator{.}
5481 \def\DefaultInlineMathDigits{\def\SetInlineMathDigits{}}
5482 \def\DefaultDisplayMathDigits{\def\SetDisplayMathDigits{}}
5483 \def\DefaultMathDigits{%
5484     \DefaultInlineMathDigits%
5485     \DefaultDisplayMathDigits%
5486 }
5487 \def\PersianInlineMathDigits{\def\SetInlineMathDigits{%
5488 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5489 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5490 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5491 \def\PersianDisplayMathDigits{\def\SetDisplayMathDigits{%
5492 \ifx\persianmathdigits\undefined\else\persianmathdigits\fi%
5493 \ifx\persianmathsfdigits\undefined\else\persianmathsfdigits\fi%
5494 \ifx\persianmaththtdigits\undefined\else\persianmaththtdigits\fi}}
5495 \def\PersianMathDigits{%
5496     \PersianInlineMathDigits%
5497     \PersianDisplayMathDigits%
5498 }
5499 \def\AutoInlineMathDigits{\def\SetInlineMathDigits{%
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\AutoDisplayMathDigits{\def\SetDisplayMathDigits{%
5504 \ifx\persianmathdigits\undefined\else\if@nonlatin\persianmathdigits\fi\fi%
5505 \ifx\persianmathsfdigits\undefined\else\if@nonlatin\persianmathsfdigits\fi\fi%
5506 \ifx\persianmaththtdigits\undefined\else\if@nonlatin\persianmaththtdigits\fi\fi}}
5507 \def\AutoMathDigits{%
5508     \AutoInlineMathDigits%
5509     \AutoDisplayMathDigits%
5510 }
5511 \AutoMathDigits
5512 \everymath\expandafter{\the\everymath\SetInlineMathDigits%
5513 \let\SetDisplayMathDigits\relax%
5514 }

```



```

5515 \everydisplay\expandafter{%
5516 \the\everydisplay\SetDisplayMathDigits%
5517 \let\SetInlineMathDigits\relax%
5518 }
5519
5520 \ExplSyntaxOn
5521 \cs_new_eq:NN \orig_MathDecimalSeparator \MathDecimalSeparator
5522
5523 \NewDocumentCommand \SwitchToDefaultMathDigits { } {
5524 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5525 \SetMathCode{##1}{\mathalpha}{operators}{##1}
5526 }
5527 \SetMathCode{`\%}{\mathbin}{operators}{`\%}
5528 \tl_set_eq:NN \MathDecimalSeparator \DefaultMathDecimalSeparator
5529 \tl_set_eq:NN \mathbf \orig_mathbf:n
5530 \tl_set_eq:NN \mathit \orig_mathit:n
5531 \tl_set_eq:NN \mathrm \orig_mathrm:n
5532 \tl_set_eq:NN \mathsf \orig_mathsf:n
5533 \tl_set_eq:NN \mathtt \orig_mathtt:n
5534 }
5535
5536 \NewDocumentCommand \SwitchToPersianMathDigits { } {
5537 \int_step_inline:nnnn { `0 } { \c_one_int } { `9 } {
5538 \SetMathCode{##1}{\mathalpha}{OPERATORS}{##1}
5539 }
5540 \SetMathCode{`\%}{\mathbin}{OPERATORS}{`\ }
5541 \tl_set_eq:NN \MathDecimalSeparator \orig_MathDecimalSeparator
5542 \tl_set_eq:NN \mathbf \new@mathbf
5543 \tl_set_eq:NN \mathit \new@mathit
5544 \tl_set_eq:NN \mathrm \new@mathrm
5545 \tl_set_eq:NN \mathsf \new@mathsf
5546 \tl_set_eq:NN \mathtt \new@mathtt
5547 }
5548 \ExplSyntaxOff

```

63 File xepersian-multiplechoice.sty

```

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

```



```

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

```



```

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

```



```

5674 \let\old@endquestion\endquestion
5675 \renewenvironment{question}[1]{%
5676   %% \begin{question}
5677   \vspace{@questionsepspace}
5678   \fbox{\parbox[c]{0.25\linewidth}{\@questiontitlefont\@questiontitle}}
5679   \nopagebreak\vspace{questiontitlespace}\par
5680   \old@question{#1}}{%
5681   %% \end{question}
5682   \old@endquestion
5683   \gdef\@questionsepspace{\questionsepspace}}
5684   \questiontitle{ \thequestion:}
5685 \ProcessOptions

```

64 File xepersian-persiancal.sty

```

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

```




```

5725 \divide\XePersian@temp by 2\relax
5726 \ifodd\XePersian@temp\XePersian@leapfalse
5727 \else
5728 \ifnum\XePersian@yModHundred=0%
5729 \XePersian@temp=\XePersian@y
5730 \divide\XePersian@temp by 400\relax
5731 \multiply\XePersian@temp by 400\relax
5732 \ifnum\XePersian@y=\XePersian@temp\XePersian@leaptrue\else\XePersian@leapfalse\fi
5733 \else\XePersian@leaptrue
5734 \fi
5735 \fi
5736 \fi
5737 \XePersian@latini=31\relax
5738 \ifXePersian@leap
5739 \XePersian@latinii = 29\relax
5740 \else
5741 \XePersian@latinii = 28\relax
5742 \fi
5743 \XePersian@latiniii = 31\relax
5744 \XePersian@latiniv = 30\relax
5745 \XePersian@latinv = 31\relax
5746 \XePersian@latinvi = 30\relax
5747 \XePersian@latinvii = 31\relax
5748 \XePersian@latinviii = 31\relax
5749 \XePersian@latinix = 30\relax
5750 \XePersian@latinx = 31\relax
5751 \XePersian@latinxi = 30\relax
5752 \XePersian@latinxii = 31\relax
5753 \XePersian@thirtytwo=32\relax
5754 \XePersian@temp=\XePersian@y
5755 \advance\XePersian@temp by -17\relax
5756 \XePersian@temptwo=\XePersian@temp
5757 \divide\XePersian@temptwo by 33\relax
5758 \multiply\XePersian@temptwo by 33\relax
5759 \advance\XePersian@temp by -\XePersian@temptwo
5760 \ifnum\XePersian@temp=\XePersian@thirtytwo\XePersian@kabisehfalse
5761 \else
5762 \XePersian@temptwo=\XePersian@temp
5763 \divide\XePersian@temptwo by 4\relax
5764 \multiply\XePersian@temptwo by 4\relax
5765 \advance\XePersian@temp by -\XePersian@temptwo
5766 \ifnum\XePersian@temp=\z@\XePersian@kabisehtrue\else\XePersian@kabisehfalse\fi
5767 \fi
5768 \XePersian@tempthree=\XePersian@y % Number of Leap years
5769 \advance\XePersian@tempthree by -1
5770 \XePersian@temp=\XePersian@tempthree % T := (MY-1) div 4
5771 \divide\XePersian@temp by 4\relax
5772 \XePersian@temptwo=\XePersian@tempthree % T := T - ((MY-1) div 100)
5773 \divide\XePersian@temptwo by 100\relax
5774 \advance\XePersian@temp by -\XePersian@temptwo
5775 \XePersian@temptwo=\XePersian@tempthree % T := T + ((MY-1) div 400)
5776 \divide\XePersian@temptwo by 400\relax
5777 \advance\XePersian@temp by \XePersian@temptwo
5778 \advance\XePersian@tempthree by -611 % Number of Kabise years

```



```

5779 \XePersian@temptwo=\XePersian@tempthree           % T := T - ((SY+10) div 33) * 8
5780 \divide\XePersian@temptwo by 33\relax
5781 \multiply\XePersian@temptwo by 8\relax
5782 \advance\XePersian@temp by -\XePersian@temptwo
5783 \XePersian@temptwo=\XePersian@tempthree           %
5784 \divide\XePersian@temptwo by 33\relax
5785 \multiply\XePersian@temptwo by 33\relax
5786 \advance\XePersian@tempthree by -\XePersian@temptwo
5787 \ifnum\XePersian@tempthree=32\advance\XePersian@temp by 1\fi % if (SY+10) mod 33=32 then Inc
5788 \divide\XePersian@tempthree by 4\relax           % T := T - ((SY+10) mod 33) div 4
5789 \advance\XePersian@temp by -\XePersian@tempthree
5790 \advance\XePersian@temp by -137                   % T := T - 137 Adjust the value
5791 \XePersian@persiani=31
5792 \advance\XePersian@persiani by -\XePersian@temp           % now 31 - T is the persiani
5793 \XePersian@persianii = 30\relax
5794 \ifXePersian@kabiseh
5795   \XePersian@persianiii = 30\relax
5796 \else
5797   \XePersian@persianiii = 29\relax
5798 \fi
5799 \XePersian@persianiv = 31\relax
5800 \XePersian@persianv = 31\relax
5801 \XePersian@persianvi = 31\relax
5802 \XePersian@persianvii = 31\relax
5803 \XePersian@persianviii= 31\relax
5804 \XePersian@persianix = 31\relax
5805 \XePersian@persianx = 30\relax
5806 \XePersian@persianxi = 30\relax
5807 \XePersian@persianxii = 30\relax
5808 \XePersian@persianxiii= 30\relax
5809 \XePersian@dn= 0\relax
5810 \XePersian@sn= 0\relax
5811 \XePersian@mminusone=\XePersian@m
5812 \advance\XePersian@mminusone by -1\relax
5813 \XePersian@i=0\relax
5814 \ifnum\XePersian@i < \XePersian@mminusone
5815 \loop
5816 \advance \XePersian@i by 1\relax
5817 \advance\XePersian@dn by \csname XePersian@latin\romannumeral\the\XePersian@i\endcsname
5818 \ifnum\XePersian@i<\XePersian@mminusone \repeat
5819 \fi
5820 \advance \XePersian@dn by \XePersian@d
5821 \XePersian@i=1\relax
5822 \XePersian@sn = \XePersian@persiani
5823 \ifnum \XePersian@sn<\XePersian@dn
5824 \loop
5825 \advance \XePersian@i by 1\relax
5826 \advance\XePersian@sn by \csname XePersian@persian\romannumeral\the\XePersian@i\endcsname
5827 \ifnum \XePersian@sn<\XePersian@dn \repeat
5828 \fi
5829 \ifnum \XePersian@i < 4
5830   \XePersian@m = 9 \advance\XePersian@m by \XePersian@i
5831   \advance \XePersian@y by -622\relax
5832 \else

```



```

5833 \XePersian@m = \XePersian@i \advance \XePersian@m by -3\relax
5834 \advance \XePersian@y by -621\relax
5835 \fi
5836 \advance\XePersian@sn by -\csname XePersian@persian\romannumeral\the\XePersian@i%
5837 \endcsname
5838 \ifnum\XePersian@i = 1
5839 \XePersian@d = \XePersian@dn \advance \XePersian@d by 30 \advance\XePersian@d by -\XePersian@
5840 \else
5841 \XePersian@d = \XePersian@dn \advance \XePersian@d by -\XePersian@sn
5842 \fi
5843 \newcommand*\persiantoday}{%
5844 \number\XePersian@d\space%
5845 \XePersian@persian@month{\XePersian@m}\space\number\XePersian@y%
5846 }
5847 \let\persianyear\XePersian@y
5848 \let\persianmonth\XePersian@m
5849 \let\persianday\XePersian@d
5850 \def\XePersian@persian@month#1{\ifcase#1\or or\
5851 or\
5852 or\ or\
5853 or\
5854 or\ or\
5855 or\ or\
5856 or\ or\
5857 \fi\
5858
5859 \newcommand*\persianseason}{%
5860 \ifcase\persianmonth\or
5861 or\ or\ or\ or\ or\ or\
5862 or\ or\ or\ or\ or\ fi\
5863 }

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