

Ελληνικά – LINGUISΤΙX-greek

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22 December 2025 (v0.6a)

🏠 <https://ctan.org/pkg/linguistix>

💎 <https://puszcza.gnu.org.ua/projects/linguistix>

🗨️ <https://matrix.to/#/#linguistix:matrix.org>

I initialise the package with basic information.

```
1 <*greek>
2 \ProvidesExplPackage{linguistix-greek}
3     {2025-12-22}
4     {v0.6a}
5     {Ελληνικά (Greek)}
```

First, I add the `onchar` parameter that loads the Greek fonts with the respective Unicode automatically. This is used with the `\babelprovide` command.

```
6
7 \babelprovide [ onchar = { ids~ fonts } ] { greek }
```

The `babel` package defines `\extrasxxxx` commands for languages where the additional code that should go with a particular language (`xxxx` in this case) is set. The `\addto` command is used for appending to the same. I start with defining additional macros for Greek.

```
8
9 \addto { \extrasgreek } {
```

I have added the command for using the socket for native numbering. It will pickup its value from the current assignment of the plugs and produce the results accordingly.

```
10 \socket_use:n { lngx / native-numbering }
```

The default L^AT_EX produces Latin numerals, roman (small and capital both) alphabets and a-z alphabets with `enumerate` at different levels of nesting. In Greek, although Latin numerals are fine, the letters are irrelevant. Thus I renew all of the concerned commands and change them to print Greek counters.

```
11 \cs_set:Npn \theenumii {
```

The LINGUISΤΙX bundle

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```

12     \localecounter { lower.modern } { enumii }
13   }
14   \cs_set:Npn \theenumiv {
15     \localecounter { upper.modern } { enumiv }
16   }

```

The `expex` package has an independent mechanism of defining and using counters. In order to get Greek labels, I use the `greek` style provided by the `expex` package by default. Note that this change will go with the `\lngx_misc_reset:` command. Refer to [linguistix.pdf](#) for more information on this.

```

17   \IfPackageLoadedT { expex } {
18     \lingset {
19       labeltype           = { greek }
20     }
21   }
22 }

```

If Greek is the main language of the document, the default New Computer Modern fonts suffice, but if it is not the main language, we need to use the macros that set the ‘other’ (non-main) fonts. The fonts are the same, but the key-value interface is not available, so the code is slightly verbose.

```

23 \lngx_other_main_font:nnn { greek } {
24   NFSSFamily           = { Ελληνικά_main },
25   IgnoreFontspecFile,
26   \bool_if:NT \g_lngx_old_style_bool {
27     Numbers             = { OldStyle },
28   }
29   \bool_if:NT \g_lngx_old_style_one_bool {
30     CharacterVariant     = { 6 },
31   }
32   Renderer             = { HarfBuzz },
33   UprightFont           = { NewCM10-Book.otf },
34   UprightFeatures       = {
35     SizeFeatures         = {
36       {
37         Size             = { -8 },
38         Font             = { NewCM08-Book.otf }
39       },
40       {
41         Size             = { 8- },
42         Font             = { NewCM10-Book.otf }
43       }
44     }
45   },
46   ItalicFont            = { NewCM10-BookItalic.otf },
47   ItalicFeatures        = {
48     SizeFeatures         = {
49       {
50         Size             = { -8 },
51         Font             = { NewCM08-BookItalic.otf }
52       },
53       {
54         Size             = { 8- },
55         Font             = { NewCM10-BookItalic.otf }

```

```

56     }
57 }
58 },
59 BoldFont          = { NewCM10-Bold.otf },
60 BoldFeatures      = {
61     SizeFeatures   = {
62     {
63         Size        = { 0- },
64         Font         = { NewCM10-Bold.otf }
65     }
66 }
67 },
68 BoldItalicFont    = { NewCM10-BoldItalic.otf },
69 BoldItalicFeatures = {
70     SizeFeatures   = {
71     {
72         Size        = { 0- },
73         Font         = { NewCM10-BoldItalic.otf }
74     }
75 }
76 },
77 SlantedFont       = { NewCM10-Book.otf },
78 SlantedFeatures   = {
79     SizeFeatures   = {
80     {
81         Size        = { -8 },
82         Font         = { NewCM08-Book.otf }
83     },
84     {
85         Size        = { 8- },
86         Font         = { NewCM10-Book.otf }
87     }
88 }
89 },
90 BoldSlantedFont   = { NewCM10-Bold.otf },
91 BoldSlantedFeatures = {
92     SizeFeatures   = {
93     {
94         Size        = { 0- },
95         Font         = { NewCM10-Bold.otf }
96     }
97 }
98 },
99 SwashFont         = { NewCM10-Book.otf },
100 SwashFeatures     = {
101     SizeFeatures   = {
102     {
103         Size        = { -8 },
104         Font         = { NewCM08-Book.otf }
105     },
106     {
107         Size        = { 8- },
108         Font         = { NewCM10-Book.otf }
109 }

```

```

110     }
111 },
112 BoldSwashFont      = { NewCM10-Bold.otf },
113 BoldSwashFeatures  = {
114     SizeFeatures    = {
115     {
116         Size          = { 0- },
117         Font           = { NewCM10-Bold.otf }
118     }
119 }
120 }
121 } { NewCM10-Book.otf }
122 \lngx_other_sans_font:nnn { greek } {
123     NFSSFAMILY      = { Ελληνικά_sans },
124     IgnoreFontspecFile,
125     \bool_if:NT \g_lngx_old_style_bool {
126         Numbers      = { OldStyle },
127     }
128     \bool_if:NT \g_lngx_old_style_one_bool {
129         CharacterVariant = { 6 },
130     }
131     Renderer        = { HarfBuzz },
132     UprightFont      = { NewCMSans10-Book.otf },
133     UprightFeatures  = {
134         SizeFeatures  = {
135         {
136             Size          = { -8 },
137             Font           = { NewCMSans08-Book.otf }
138         },
139         {
140             Size          = { 8- },
141             Font           = { NewCMSans10-Book.otf }
142         }
143     }
144 },
145 ItalicFont          = { NewCMSans10-BookOblique.otf },
146 ItalicFeatures      = {
147     SizeFeatures    = {
148     {
149         Size          = { -8 },
150         Font           = {
151             NewCMSans08-BookOblique.otf
152         }
153     },
154     {
155         Size          = { 8- },
156         Font           = {
157             NewCMSans10-BookOblique.otf
158         }
159     }
160 }
161 },
162 BoldFont            = { NewCMSans10-Bold.otf },
163 BoldFeatures        = {

```

```

164     SizeFeatures          = {
165         {
166             Size           = { 0- },
167             Font            = { NewCMSans10-Bold.otf }
168         }
169     },
170     BoldObliqueFont        = { NewCMSans10-BoldOblique.otf },
171     BoldObliqueFeatures    = {
172         SizeFeatures       = {
173             {
174                 Size        = { 0- },
175                 Font         = {
176                     NewCMSans10-BoldOblique.otf
177                 }
178             }
179         }
180     },
181     },
182     SlantedFont            = { NewCMSans10-Book.otf },
183     SlantedFeatures        = {
184         SizeFeatures       = {
185             {
186                 Size        = { -8 },
187                 Font         = { NewCMSans08-Book.otf }
188             },
189             {
190                 Size        = { 8- },
191                 Font         = { NewCMSans10-Book.otf }
192             }
193         },
194     },
195     BoldSlantedFont        = { NewCMSans10-Bold.otf },
196     BoldSlantedFeatures    = {
197         SizeFeatures       = {
198             {
199                 Size        = { 0- },
200                 Font         = { NewCMSans10-Bold.otf }
201             }
202         },
203     },
204     SwashFont              = { NewCMSans10-Book.otf },
205     SwashFeatures          = {
206         SizeFeatures       = {
207             {
208                 Size        = { -8 },
209                 Font         = { NewCMSans08-Book.otf }
210             },
211             {
212                 Size        = { 8- },
213                 Font         = { NewCMSans10-Book.otf }
214             }
215         },
216     },
217     BoldSwashFont          = { NewCMSans10-Bold.otf },

```

```

218 BoldSwashFeatures = {
219     SizeFeatures = {
220         {
221             Size = { 0- },
222             Font = { NewCMSans10-Bold.otf }
223         }
224     }
225 }
226 } { NewCMSans10-Book.otf }
227 \lngx_other_mono_font:nnn { greek } {
228     NFSSFFamily = { Ελληνικά_mono },
229     IgnoreFontspecFile,
230     Renderer = { HarfBuzz },
231     UprightFont = { NewCMMono10-Book.otf },
232     UprightFeatures = {
233         SizeFeatures = {
234             {
235                 Size = { 0- },
236                 Font = { NewCMMono10-Book.otf }
237             }
238         }
239     },
240     ItalicFont = { NewCMMono10-BookItalic.otf },
241     ItalicFeatures = {
242         SizeFeatures = {
243             {
244                 Size = { 0- },
245                 Font = {
246                     NewCMMono10-BookItalic.otf
247                 }
248             }
249         }
250     },
251     BoldFont = { NewCMMono10-Bold.otf },
252     BoldFeatures = {
253         SizeFeatures = {
254             {
255                 Size = { 0- },
256                 Font = { NewCMMono10-Bold.otf }
257             }
258         }
259     },
260     BoldItalicFont = { NewCMMono10-BoldOblique.otf },
261     BoldItalicFeatures = {
262         SizeFeatures = {
263             {
264                 Size = { 0- },
265                 Font = {
266                     NewCMMono10-BoldOblique.otf
267                 }
268             }
269         }
270     },
271     SlantedFont = { NewCMMono10-Book.otf },

```

```

272 SlantedFeatures      = {
273     SizeFeatures      = {
274         {
275             Size        = { 0- },
276             Font         = { NewCMMono10-Book.otf }
277         }
278     },
279     BoldSlantedFont    = { NewCMMono10-Bold.otf },
280     BoldSlantedFeatures = {
281         SizeFeatures    = {
282             {
283                 Size      = { 0- },
284                 Font       = { NewCMMono10-Bold.otf }
285             }
286         }
287     },
288     SwashFont          = { NewCMMono10-Book.otf },
289     SwashFeatures      = {
290         SizeFeatures    = {
291             {
292                 Size      = { 0- },
293                 Font       = { NewCMMono10-Book.otf }
294             }
295         }
296     },
297     BoldSwashFont      = { NewCMMono10-Bold.otf },
298     BoldSwashFeatures  = {
299         SizeFeatures    = {
300             {
301                 Size      = { 0- },
302                 Font       = { NewCMMono10-Bold.otf }
303             }
304         }
305     }
306 } { NewCMMono10-Book.otf }
307 } { NewCMMono10-Book.otf }
308 </greek>

```

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Version 1.3, 3 November 2008

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