

Test the Greek support for Babel

The babel option “greek” activates the support for the Greek language defined in the file “greek.ldf” (source “greek.dtx”).

1 Language Switch

The declaration `\selectlanguage` switches between languages.

Τί φήμις· Ἰδὼν ἐνθ' ἔδε παῖδ' ἐλευθέραν τὰς πλησίον Νύμφας στεφανο-
ῦσαν, Σώστρατε, ἑρῶν ἀπῆλθες εὐθύς·

The macro `\foreignlanguage` sets its second argument in the specified language. This is intended for short text parts like Βιβλιοθήκη.

2 Font Encoding

In Greek text parts, the font encoding is automatically set to LGR if an 8-bit TeX engine is used. (See test-unicode-greek.tex for usage of babel-greek with XeTeX or LuaTeX.)

LGR has Greek characters in the slots reserved in a TeX *standard text font encoding*. This means you need an explicit font encoding change for every Latin letter and some other symbols if the current font encoding is LGR.

The Babel core defines the declaration `\latingreek` and the command `\textlatin` to switch to the T1 or OT1 font encoding or typeset the argument using this encoding.

Switching to a font encoding supporting the Greek script is possible without switching the Babel language using the declarations `\greekscript` or `\greektext` (always LGR) and the macros `\ensuregreek` or `\textgreek`. These commands do not start a new paragraph:

Φίλων τοῦ TeX (EΦT) – Friends (Φίλων) of TeX.

“greek.ldf” has some workarounds, so that macros relying on Latin characters in the “right” positions keep working. We test, that these definitions do not overwrite the selection of pre-composed characters for “copyright” and “registered trade mark” by “textcomp” (try copy and paste from the PDF output):

Greek (LGR): A & Ω, © ® ™, © ® ™

Latin: A & O.

To prevent Roman numerals being typeset in Greek letters we need to adopt the internal LaTeX commands. Note that this may cause errors when roman numerals are used in a situation where the macros need to be expanded:

Greek: i, ii, iii, iv, . . . , mcmlxxv I, II, III, IV, . . . , MCMLXXV

Latin: i, ii, iii, iv, . . . , mcmlxxv I, II, III, IV, . . . , MCMLXXV

4 Babel Strings

Babel defines macros for several autogenerated strings so that they may appear in the choosen language. babel-greek uses LICRs in order to let the string macros work independent of the font encoding, in both 8-bit and Unicode-aware TeX.

4.1 Captions

Πρόλογος, Αναφορές, Περίληψη, Βιβλιογραφία, Κεφάλαιο, Παράρτημα, Περιεχόμενα, Κατάλογος Σχημάτων, Κατάλογος Πινάκων, Ευρετήριο, Σχήμα, Πίνακας, Μέρος, Συνημμένα, Κοινοποίηση, Προς, Σελίδα, βλέπε, βλέπε επίσης, Απόδειξη, Γλωσσάρι,

4.2 Months

2 Ιανουαρίου 2013
2 Φεβρουαρίου 2013
2 Μαρτίου 2013
2 Απριλίου 2013
2 Μαΐου 2013
2 Ιουνίου 2013
2 Ιουλίου 2013
2 Αυγούστου 2013
2 Σεπτεμβρίου 2013
2 Οκτωβρίου 2013
2 Νοεμβρίου 2013
2 Δεκεμβρίου 2013

5 Greek Numerals

See greek.pdf for the formation rules of Greek numerals. Some examples:

α', β', γ', δ', ε', ς', ζ', η', θ', ι', ια', ιβ', κ', τμς', φ', ,αλφζ', ,βιγ',

A', B', Γ', Δ', E', Γ', Z', H', Θ', I', IA', IB', K', TME', Φ', ,ΑΔΩΖ', ,ΒΙΓ',

Enumerated lists use Greek numerals in the second and fourth level:

1. Item 1
 - (α') Item 1.1
 - i. Item 1.1.1
 - A'. Item 1.1.1.1
 - B'. Item 1.1.1.2
 - ii. Item 1.1.2