

Test the Greek support for Babel

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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 φής; Ἴδὼν ἐνθ' ἔδε παῖδ' ἔλευθέραν τὰς πλησίον Νύμφας στεφανοῦσαν, Σώστρατε, ἔρῳ ἀπῆλθες εὐθύς;

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

There should be no inserted space before or after the language switch (may happen if there are unescaped linebreaks in the font or language definitions):

Change script with `ensuregreek`: |δοῦλος|. Change language with `\foreignlanguage`: |δοῦλος|.

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.

Babel defines the declaration `\latintext` 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` (no switch if the current encoding supports Greek script (e.g. the Unicode font encoding TU)) or `\greektext` (always switch to LGR) and the corresponding macros `\ensuregreek` or `\textgreek`. These commands do not start a new paragraph:

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

3.1 Greek and Coptic

Characters of the Greek and Coptic Unicode Block:

Ά·Έ·Ή·Ό·Υ·Ω·Α·Β·Γ·Δ·Ε·Ζ·Η·Θ·Ι·Κ·Λ·Μ·Ν·Ξ·Ο·Π·Ρ·Σ·Τ·Υ·Φ·Χ·Ψ·Ω·Ϊ·Ϋ·Ϝ·ϝ·
ά·έ·ή·ύ·ώ·α·β·γ·δ·ε·ζ·η·θ·ι·κ·λ·μ·ν·ξ·ο·π·ρ·σ·τ·υ·φ·χ·ψ·ω·ϊ·ϋ·ϝ·Ϟ·ϟ·Ϡ·ϡ·Ϣ·ϣ·Ϥ·ϥ·Ϧ·ϧ·Ϩ·ϩ·Ϫ·ϫ·Ϭ·ϭ·Ϯ·ϯ·ϰ·ϱ·ϲ·ϳ·ϴ·ϵ·϶·Ϸ·ϸ·Ϲ·Ϻ·ϻ·ϼ·Ͻ·Ͼ·Ͽ

MakeUppercase:

Ά·Έ·Ή·Ό·Υ·Ω·Α·Β·Γ·Δ·Ε·Ζ·Η·Θ·Ι·Κ·Λ·Μ·Ν·Ξ·Ο·Π·Ρ·Σ·Τ·Υ·Φ·Χ·Ψ·Ω·Ϊ·Ϋ·Ϝ·ϝ·
Α·Ε·Η·Ϊ·Ϋ·Α·Β·Γ·Δ·Ε·Ζ·Η·Θ·Ι·Κ·Λ·Μ·Ν·Ξ·Ο·Π·Ρ·Σ·Τ·Υ·Φ·Χ·Ψ·Ω·Ϊ·Ϋ·Ϝ·ϝ·Ϟ·ϟ·Ϡ·ϡ·Ϣ·ϣ·Ϥ·ϥ·Ϧ·ϧ·Ϩ·ϩ·Ϫ·ϫ·Ϭ·ϭ·Ϯ·ϯ·ϰ·ϱ·ϲ·ϳ·ϴ·ϵ·϶·Ϸ·ϸ·Ϲ·Ϻ·ϻ·ϼ·Ͻ·Ͼ·Ͽ