The GFS COMPLUTUM font

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1 Introduction

The font—and hence the package—supports only the LGR encoding and it is to be used with the greek option of the Babel package.

The fonts are loaded with

`\usepackage{gfscomplutum}` or `\usepackage[default]{gfscomplutum}`.

The latter one sets GFS Complutum as the default document font. The former defines the environment `complutum` and the command `\textcomplutum`. For example, while in Greek language

`\textcomplutum{dokim'h}`

produces

Δοκιμή.

x-height is adjusted so that it matches with the x-height of the `gfsneohelenic` package.

2 Installation

Copy the contents of the subdirectory afm in texmf/fonts/afm/GFS/Complutum

Copy the contents of the subdirectory doc in texmf/doc/latex/GFS/Complutum/

Copy the contents of the subdirectory enc in texmf/fonts/enc/dvips/GFS/Complutum/

Copy the contents of the subdirectory map in texmf/fonts/map/dvips/GFS/Complutum/

Copy the contents of the subdirectory tex in texmf/tex/latex/GFS/Complutum/

Copy the contents of the subdirectory tfm in texmf/fonts/tfm/GFS/Complutum/

Copy the contents of the subdirectory type1 in texmf/fonts/type1/GFS/Complutum/

Copy the contents of the subdirectory vf in texmf/fonts/vf/GFS/Complutum/

In your installation's updmap.cfg file add the line

Map gfscomplutum.map

Refresh your filename database and the map file database (for example, on Unix systems run mktexlsr and then run the updmap-sys (or updmap on older systems) script as root).

You are now ready to use the fonts.

3 Usage

As said in the introduction the package covers only greek. Greek covers polytonic too through babel (read the documentation of the babel package and its greek option).

For example, the preample

```
\documentclass{article}
\usepackage[english,greek]{babel}
\usepackage[iso-8859-7]{inputenc}
\usepackage{cmbright}
\usepackage[default]{gfscomplutum}
```

will be the correct setup for articles in Greek using Complutum for the main font.

3.1 Transformations by `dvips`

Other than the shape provided by the font itself, this package provides a slanted shape as well using the standard mechanism provided by dvips.

3.2 Alternative characters

There is an alternative design for tau. This is used by default as the second of two consecutive taus, as for example in Αττικη (Attika). This form of tau can be accessed directly with `\taualt`.

4 Problems

The accents of the capital letters should hang in the left margin when such a letter starts a line. TeX and LaTeX do not provide the tools for such a feature. However, this seems to be possible with pdfTeX As this is work in progress, please be patient. . .

5 Samples

Ἥρης

θυμίαμα αρώματα

Κυαμέοις κόλποισιμ ἐμημέμη, ἀερόμορφε,
Ἥρα παμβασίλεια, Διὸς σύλλεκτρε μάκαιρα,
ψυχοτρόφους αὔρας θμητοῖς παρέχουσα προσημεῖς,
ὄμβρωμ μὲμ μήτηρ, ἀμέμωμ τροφέ, παμτογέμεθλε:
χωρὶς γὰρ σέθεμ οὐδὲμ ὅλως ζωῆς φύσιμ ἔγμω:
κοιμωμεῖς γὰρ ἅπασι κεκραμέμη ἠέρι σεμμῶι:
πάμτωμ γὰρ κρατέεις μούμη πάμτεσσί τ' ἀμάσσεις
ἠερίοις ῥοίζοισι τιμασσομέμη κατὰ χεῦμα.
ἀλλά, μάκαιρα θεά, πολυώμυμε, παμβασίλεια,
ἔλθοις εὐμεμέουσα καλῶι γήθομτι προσώπωι.