

The GFSBASKERVILLE font

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25 December 2007

1 Introduction

The gfs-Baskerville font (and hence this package) supports only Greek, that is, only the greek encoding LGR is supported, to the extent that the font itself covers it.

The font is loaded with

```
\usepackage{gfsbaskerville}.
```

The package defines the environment `gfsbaskerville` and the command `\textgfsbaskerville`. For example, while in Greek language

```
\textgfsbaskerville{dokim'h}
```

produces

δοκιμή.

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

2 Ligatures

This font contains several ligatures and alternate characters. By default some of them are turned on. These are the initial forms of gamma (γ), theta (θ), rho (ρ), the ligatures sigma-theta ($\sigma\theta$), sigma-chi ($\sigma\chi$), epsilon-iota ($\epsilon\iota$), omicron-sigma ($\omicron\sigma$) and tau-tau ($\tau\tau$).

All other ligatures are accessed with commands; these are as follows:

<code>\ou</code>	ø
<code>\ouox</code>	ø̄
<code>\oudas</code>	ø̇
<code>\oupsil</code>	ø̈
<code>\oupsilvar</code>	ø̈́
<code>\oudasox</code>	ø̈́̄
<code>\oupsilox</code>	ø̈́̇
<code>\ouper</code>	ø̈́̈

<code>\oupsilper</code>	ø̈́̈
<code>\oudasper</code>	ø̈́̈̄
<code>\oudier</code>	ø̈́̈̇
<code>\oudierox</code>	ø̈́̈̇̄
<code>\oudiervar</code>	ø̈́̈̇̈́
<code>\kai</code>	κ̂
<code>\pialt</code>	ϖ
<code>\dagger</code>	†

3 Installation

Copy the contents of the subdirectory afm in texmf/fonts/afm/GFS/Baskerville/
 Copy the contents of the subdirectory doc in texmf/doc/latex/GFS/Baskerville/
 Copy the contents of the subdirectory enc in texmf/fonts/enc/dvips/GFS/Baskerville/
 Copy the contents of the subdirectory map in texmf/fonts/map/dvips/GFS/Baskerville/
 Copy the contents of the subdirectory tex in texmf/tex/latex/GFS/Baskerville/
 Copy the contents of the subdirectory tfm in texmf/fonts/tfm/GFS/Baskerville/
 Copy the contents of the subdirectory type1 in texmf/fonts/type1/GFS/Baskerville/
 Copy the contents of the subdirectory vf in texmf/fonts/vf/GFS/Baskerville/

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

Map gfsbaskerville.map

Refresh your filename database and the map file database:

On Unix systems (with T_EXLive or t_EX) run mktexlsr and then run the updmap-sys (or updmap on older systems) script as root).

On Windows systems with MikT_EX, add the line

Map gfsbaskerville.map

running

initexmf -edit-config-file updmap

in a dos window, and after saving the file, run

initexmf -mkmaps

to rebuild the font map files.

You are now ready to use the font.

4 Problems

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

5 Samples

Ἥρης

θυμίαμα αρώματα

Κυανέοις κόλποισιν ἐνημένη, ἀερόμορφε,
Ἥρα παμβασίλεια, Διὸς σύλλεκτρε μάκαιρα,
ψυχοτρόφους αὔρας θνητοῖς παρέχουσα προσηνεῖς,
ὄμβρων μὲν μήτηρ, ἀνέμων τροφέ, παντογένηθλε:
χωρὶς γὰρ σέθεν οὐδὲν ὄλωι ζωῆς φύσιν ἔγνω:
κοινωνεῖς γὰρ ἅπασι κεκραμένη ἠέρι σεμνῶι:
πάντων γὰρ κρατέεις μούνη πάντεσσι τ' ἀνάσσει,
ἠερίοις ῥοίζοισι τινασσομένη κατὰ χεῦμα.
ἀλλὰ, μάκαιρα θεά, πολυώνυμε, παμβασίλεια,
ἔλθοις εὐμενέουσα καλῶι Γῆθοντι προσώπωι.