

## LIBERTINE GREEK AND CYRILLIC SUPPORT

MICHAEL SHARPE

This small package provides  $\LaTeX$  support for Greek and Cyrillic scripts in the `libertine` fonts. The the obsolete `libertine-legacy` package provided support for the LGR encoding, but that package has some names that conflict with the current `libertine`, and require some renaming to load correctly.

The package does nothing under  $Xe\LaTeX$  or  $Lua\LaTeX$ . In your preamble, load the `libertine`  $\LaTeX$  font support packages in the following order:

```
\usepackage[sb]{libertine} % many options available
\usepackage{libertinegc} % the only option is scale[d], which overrides that in libertine
```

The `libertinegc` package does very little:

- it warns you if you are using  $Xe\LaTeX$  or  $Lua\LaTeX$
- it loads support for the encodings OT2, T2A, T2B, T2C and LGR, but does not change the current encoding;
- it offers the `scale` (or `scaled`) option, allowing you to rescale the Greek and Cyrillic in this package, taking precedence over the `scale` defined in the `libertine` package.

Obviously, it is not mandatory to load the `libertinegc` package if you know what you are doing.

The package offers only a reduced set of figure options. In LGR, LF is rendered as TLF and TOSF is rendered as OsF. In OT2 and T2\*, all figure choices are rendered as TLF.

The T2\* encodings are intended for those whose keyboards provide native support for Cyrillic scripts. A limited version of Cyrillic is provided for those with Western keyboards by the OT2 encoding. See the documentation of the `nimbus15` package for usage details.

Greek support is provided through the LGR encoding. All characters may be accessed by ligatures built-in to the LGR encoded `tfm` and supported by `babel`. See the documentation for `nimbus15` for further details and especially the use of the `substitutefont` package to bypass `babel`'s default choice of Greek font.

One limitation of `libertine` should be kept in mind—the `BoldItalic` font is not well-developed compared to the others in the `Libertine` family—the Greek extended is not bold, Cyrillic is almost entirely lacking, and the accents and spacing of extended Latin glyphs are not good. This package tries to get around this by defining `bolditalic` to mean `boldoblique`. It is better to work around the problem by specifying `semibold` in place of `bold`, which is effected by the option `[sb]` to `libertine`, as in the example above.