

Georgian and L^AT_EX

First public release

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Abstract

In this paper we describe Georgian in L^AT_EX. There were several packages for georgian support in L^AT_EX. This packages use metafonts. Input is latin based. No Unicode support and so on.

In developed work we provide full support of Georgian script. Full UNICODE support. Fonts agree with L^AT_EXfont encoding definition standards.

1 T_EXFONT ENCODINGS T8M AND T8K

We introduced two 8bit encodings for georgian - T8M and T8K.

To use georgian do:

```
\usepackage[english,georgian]{babel}  
\usepackage[T8M,T8K]{fontenc}
```

1.1 Font Examples

cms აბგდევზთ... ტყღრწჟიხც... რყუძილჩხ...

cmmt აბგდევზთ. . .

cmr აბგდევზთ... რყღრწჟიხც... რყუძილჩხ...

cms italic აბგდევზთ... ტყღრწჟიხც... რყუძილჩხთ...

cmmt italic აბგდევზთ...

cmr italic აბგდევზთ...*ჩყჲტჳჴჵჶჷ*... *ჲჳჴჵჶჷ*...

cms bold აბგდევზთ...**ტყღტრრზტ**... *ჲჳჴჵჶჷ*...

cmtt bold აბგდევზთ...

cmr bold აბგდევზთ...*ჩყჲტჳჴჵჶჷ*... *ჲჳჴჵჶჷ*...

cms boldItalic აბგდევზთ...**ტყღტრრზტ**... *ჲჳჴჵჶჷ*...

cmtt boldItalic აბგდევზთ...

cmr boldItalic აბგდევზთ...*ჩყჲტჳჴჵჶჷ*... *ჲჳჴჵჶჷ*...

cms SmallCaps აბგდევზთ...**ტყღტრრზტ**... *ჲჳჴჵჶჷ*...

cmtt SmallCaps

cmr SmallCaps აბგდევზთ...*ჩყჲტჳჴჵჶჷ*... *ჲჳჴჵჶჷ*...

2 INSTALLATION

Copy data to texmflocal

MikTeX (Windows). do

```
texhash
initexmf --mkmaps
initexmf -u
```

teTeX (Unix/Linux). do

```
texhash
updmap
updmap-sys
```

3 GEORGIAN INPUT

We have provided georgian input files for yudit.org text editor. You can input "Asomtavruli" and "Khucuri" scripts very easy. In Home directory we can find:

1. Keyboard mapping files
2. Config file
3. DejaVuSans font