

Fonts in ConTeXt

Examples Of Using Typescripts

Coming back to the use of typefaces in electronic publishing: many of the new typographers receive their knowledge and information about the rules of typography from books, from computer magazines or the instruction manuals which they get with the purchase of a PC or software. There is not so much basic instruction, as of now, as there was in the old days, showing the differences between good and bad typographic design. Many people are just fascinated by their PC's tricks, and think that a widely-praised program, called up on the screen, will make everything automatic from now on.

```
\definetypeface [zapf] [cg] [calligraphy] [chancery]
```

```
\switchtotypeface [zapf] [12pt,cg]
```

name: Chancery author: Hermann Zapf foundry: URW

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```
\definetypeface [palatino] [rm] [serif] [palatino] [default] [encoding=ec]  
\switchtotypeface [palatino] [12pt,rm]
```

name: Palatino foundry: URW

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```
\definetypeface [times] [rm] [serif] [times] [default] [encoding=ec]  
\switchtotypeface [times] [12pt,rm]
```

name: Times foundry: URW

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```
\definetypeface [helvetica] [ss] [sans] [helvetica] [default] [encoding=ec]  
\switchtotypeface [helvetica] [12pt,ss]
```

name: Helvetica foundry: URW

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```
\definetypeface [bookman] [rm] [serif] [bookman] [default] [encoding=ec]  
\switchtotypeface [bookman] [12pt,rm]
```

name: Bookman foundry: URW

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```
\definetypeface [utopia] [rm] [serif] [utopia] [default] [encoding=ec]  
\switchtotypeface [utopia] [12pt,rm]
```

name: Utopia foundry: Adobe

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```
\definetypeface [charter] [rm] [serif] [charter] [default] [encoding=ec]  
\switchtotypeface [charter] [12pt,rm]
```

name: Charter foundry: Bitstream

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$$\int \frac{1}{\cos(ax) \pm \sin(ax)} dx = \mp \frac{1}{2a \pm \sin(ax)} + \frac{1}{2a} \log \tan \left(\frac{\pi}{4} + \frac{ax}{2} \right)$$

```
\definetypeface [informal] [rm] [casual] [informal] [default] [encoding=default]
\definetypeface [informal] [mm] [math] [informal] [default] [encoding=default]
\switchtotypeface [informal] [12pt,rm]
```

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```
\definetypeface [postscript] [rm] [serif] [times]      [default]
\definetypeface [postscript] [ss] [sans] [helvetica] [default] [rscale=.9]
\definetypeface [postscript] [tt] [mono] [courier]    [default] [rscale=1.1]
\switchtotypeface [postscript] [11pt]
```

Weighted combination (available as typescript 'postscript')

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$$\int \frac{1}{\cos(ax) 1 \pm \sin(ax)} dx = \mp \frac{1}{2a 1 \pm \sin(ax)} + \frac{1}{2a} \log \tan \left(\frac{\pi}{4} + \frac{ax}{2} \right)$$

```
\usetyescript [modern] [ec]
```

```
\switchtotyeface [modern] [10pt]
```

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$$\int \frac{1}{\cos(ax) \pm \sin(ax)} dx = \mp \frac{1}{2a} \frac{1}{1 \pm \sin(ax)} + \frac{1}{2a} \log \tan \left(\frac{\pi}{4} + \frac{ax}{2} \right)$$

```
\usetyescript [lucida] [texnansi]
```

```
\switchtotyeface [lucida] [9pt]
```

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```
\usetypscript [palatino] [ec]
```

```
\switchtotyeface [palatino] [10pt]
```

Palatino (serif) combined with computer modern (mono)

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```
\definetypeface [palatino] [rm] [serif] [palatino] [default] [encoding=ec]
\definetypeface [palatino] [mm] [math] [palatino] [default] [encoding=ec]
\switchtotypeface [palatino] [12pt,rm]
```

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```
\definetypeface [times] [rm] [serif] [times] [default] [encoding=ec]
\definetypeface [times] [mm] [math] [times] [default] [encoding=ec]
\switchtotypeface [times] [12pt,rm]
```

Lectori Salutem,

This file shows a couple of fonts and their invocation in ConT_EXt. More information on typescripts can be found in the manual **Fonts in ConT_EXt**. Fonts can be installed using the `texfont.pl` Perl script which can generate the font metrics needed. This script is path of the ConT_EXt distribution.

There will be predefined typescripts for the following math fonts. They are currently tested and will be available when the new math vectors and math module are released.

- math times (extended) from Spivak/YandY
- helvetica (and more) math from Vulis/vT_EX

There will also be a couple of more non-free math fonts set up. The availability of typescripts will depend on the availability of these fonts for testing.

Hans Hagen, PRAGMA-ADE
Hasselt NL, January 12, 2002