

Font Suggestions

From on-going discussions in the mailing list

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This document is the collection of suggestions for the use of fonts in \LaTeX which came up in the mailing list for Mac OS \TeX . I just put the sample commands, etc.

These are just for the English fonts. For Korean fonts one must read the `ultrasimplexob.pdf` first and then create combinations with his creative minds.

1 Guiding Documents

In the following `<tex live root>` is something like `/usr/local/texlive/2008`.

```
<tex live root>/texmf-dist/doc/latex/base/fntguide.pdf
<tex live root>/texmf-dist/doc/latex/psnfss/psnfss2e.pdf
<tex live root>/texmf-doc/doc/english/free-math-font-survey/
```

```
http://www.tug.dk/FontCatalogue/
http://mactex-wiki.tug.org/wiki/index.php?title=Typefaces
```

2 Sample Preambles

These are the sample preambles for the font usage.

```
\usepackage{fourier}
\usepackage[scaled=0.85]{berasans}
\usepackage[scaled=0.85]{beramono}
```

```
\usepackage{mathptmx}
\usepackage{scaled=0.87}{helvet}
\usepackage{courier}
%\usepackage[scaled=1.03]{couriers}
```

Palatino+Mathpazo

=====

```
\usepackage[T1]{fontenc}
\usepackage{palatino}
\usepackage[scaled=0.90]{helvet}
\usepackage{mathpazo}
\usepackage{textcomp}
```

Fourier

=====

```
\usepackage[T1]{fontenc}
\usepackage[scaled=0.90]{helvet}
\usepackage{fourier}
\usepackage{textcomp}
```

Palatino+Euler

=====

```
\usepackage[T1]{fontenc}
\usepackage{palatino}
\usepackage[scaled=0.90]{helvet}
\usepackage{eulervm}
\usepackage{textcomp}
```

According to the document `l2tabu.pdf`, the `palatino` package is obsolete, and partly replaced by `mathpazo`.

```
\usepackage[T1]{fontenc}
\usepackage{mathpazo}
\linespread{1.05}
\usepackage[scaled=.95]{helvet}
\usepackage{courier}
\normalfont
\usepackage{textcomp}
```

Mathdesign (Utopia)

=====

```
\usepackage[T1]{fontenc}
\usepackage[scaled=0.90]{helvet}
\usepackage[utopia]{mathdesign}%{fourier}
\usepackage{textcomp}
```

```
\usepackage[T1]{fontenc}
\usepackage[charter]{mathdesign}
```

```
\usepackage[T1]{fontenc}
\usepackage[utopia]{mathdesign}
```

```
\usepackage[T1]{fontenc}
\usepackage{beton, eulervm}
```

```
\usepackage[T1]{fontenc}
\usepackage{lmodern}
```

3 Other Suggestions

I do use regularly the mathdesign package. In my experience (with pdf_latex), everything except the pfb files for garamond is included in texlive.

Others in this list know much better than I do, but it seems that you don't have the fonts <<installed>>.

To see whether they are in your computer (available for everyone), in Terminal use:

```
locate mdbch.map
```

If this is OK, you should check whether the fonts are ``installed" by updmap:

```
updmap --listmaps
```

For the mathdesign package (charter, garamond, utopia) you should read somewhere in the output

Map mdbch.map
Map mdput.map
Map mdugm.map

If not, you should use updmap to install them (this is a confusing subject which uses a lot of bandwidth in this list), or use (with pdflatex):

```
\pdfmapfile{+ mdbch.map} % or mdput.map or mdugm.map
```

in your .tex file.

Hope it helps.

Nestor

You might also want to try the getnonfreefonts scripts which can automate this for a number of fonts. See:

http://mactex-wiki.tug.org/wiki/index.php?title=Font_Tools#getnonfreefonts

- cfr

I also obtained an error trying:

```
\usepackage[T1]{fontenc}  
\usepackage[urw-garamond]{mathdesign}
```

but then I tried: getnonfreefonts --all, and it then worked, but get several errors:

```
Package 'vntex-nonfree':
```

```
=====
```

```
 % Total  % Received % Xferd Average Speed  Time  Time  Time Current  
          Dload Upload  Total  Spent  Left  Speed  
100 328 100 328 0 0 498 0 ---:---:-- ---:---:-- ---:---:-- 0
```

```
[vntex-nonfree-3.1.3.zip]
```

```
End-of-central-directory signature not found. Either this file is not  
a zipfile, or it constitutes one disk of a multi-part archive. In the  
latter case the central directory and zipfile comment will be found on  
the last disk(s) of this archive.
```

```
unzip: cannot find zipfile directory in one of vntex-nonfree-3.1.3.zip or  
vntex-nonfree-3.1.3.zip.zip, and cannot find vntex-nonfree-3.1.3.zip.ZIP, period.
```

```
File 'vntex-nonfree-3.1.3.zip' seems to be broken. Please try again.
```

```
Extracting 'vntex-nonfree-3.1.3.zip'... [vntex-nonfree-3.1.3.zip]
```

```
End-of-central-directory signature not found. Either this file is not  
a zipfile, or it constitutes one disk of a multi-part archive. In the  
latter case the central directory and zipfile comment will be found on  
the last disk(s) of this archive.
```

unzip: cannot find zipfile directory in one of vntex-nonfree-3.1.3.zip or
vntex-nonfree-3.1.3.zip.zip, and cannot find vntex-nonfree-3.1.3.zip.ZIP, period.
[done]

...

Package 'webomints':
=====

% Total	% Received	% Xferd	Average	Speed	Time	Time	Time	Current			
			Dload	Upload	Total	Spent	Left	Speed			
100	91960	100	91960	0	0	36963	0	0:00:02	0:00:02	--:--:--	46810
9eb1d72394e0cf18811072471e8723a4 webomints.zip [MD5sum ok]											

Extracting 'webomints.zip'... [done]
Installing 'webo.map'... [done]

texhash: Updating /Users/lichtner/Library/texmf/ls-R...
texhash: Done.

Updating map files (updmap)...
!!! ERROR! The map file `classicovn.map' has not been found at all.

Either put this file into the right place or remove the
reference from the configuration file. An automatic way
to disable unavailable map files is to call
updmap --syncwithtrees

For manual editing, call
updmap --edit

[failed]

...Peter

Reply:

In this case, it looks as though the archive for vntex-nonfree got corrupted during the download. I checked the original archive and unzipped it by hand and the original seems to be OK. Just one of those things, maybe?