

## Font Problems

**Mathtime encoding options:** Generally the mathtime package is invoked by `\usepackage[cmbold]{mathtime}` and this should work for many latex installations, including miktex. Some mathtime fonts will require a different encoding option, however. Problems of this nature generally show up as one symbol being replaced with a different one in the typeset copy. Scientific Word and Workplace need the package to be invoked like this: `\usepackage[cmbold, noTS1]{mathtime}`. Your site may require a different encoding option depending your latex installation and particular fonts. The best way to resolve this sort of problem is to consult a person at your site that maintains the latex installation or a person who already has mathtime working in the same environment.

**Mathtime problems in miktex:** The miktex version 2.6 package manager seems to install the mathtime package properly but in v.2.7 miktex font map is automatically configured to use the commercial Y&Y mathtime fonts, whereas most people have the public domain belleek mathtime fonts. The fix for this is somewhat technical but not difficult. You will recognize this problem by error messages in the log file such as:

*!pdfTeX error: pdflatex (file mtex.pfb): cannot open Type 1 font file for reading*

*!pdfTeX error: pdflatex (file mtsy.pfb): cannot open Type 1 font file for reading*

*!pdfTeX error: pdflatex (file rmtmi.pfb): cannot open Type 1 font file for reading*

If you do not own the Y&Y mathtime fonts you can correct this problem as follows:

1. Locate the files called mt-yy.map and mt-plus.map (somewhere in your texmf tree) and rename all instances to mt-yyDontUse.map and mt-plusDontUse.map so that miktex can't find them (and therefore can't use them).
2. Open a command window (shell for unix users or DOS window for Windows users) and configure miktex to use the belleek mathtime fonts as follows:
  - (a) Type: `initexmf -edit-config-file updmap`
  - (b) This will open the updmap.cfg file for editing (don't do this manually as there are many details that are not likely to work right without using initexmf).
  - (c) Ensure that the belleek map is NOT commented and the Y&Y maps are COMMENTED. The mathtime section should look like this:

```
# belleek mathtime
mt-belleek.map

# YY mathtime
#Map mt-yy.map
#Map mt-plus.map
```
  - (d) Correct your configuration file as necessary to match the above, save it and exit the editor.
3. Type in the command window: `updmap`
4. Rename or delete your old dvi or pdf file and recompile the tex file.

## Bibliography Style Problems

**Citation years lack parentheses:** Be sure you have included the harvard package with no options like this: `\usepackage{harvard}`. Loading the package with the "none" option causes no parentheses around the year in the citation.

**First citation doesn't have first names:** In the first citation of a particular work the first names of the authors should be mentioned as well as last names. In subsequent citations of the same work, only last names are used. If you are not seeing this most likely you have an old version of aea.bst. The current official version of aea.bst places a message with version number in the bbl file it creates. If you don't see this comment in your bbl file then you are not using the latest version of aea.bst. Please search the entire path where your latex installation keeps bst files and rename or delete any aea.bst files which are not the latest official version. Once you have done this, delete your existing bbl file and recompile with latex and bibtex as usual.