

Script fonts for mathematical use available to L^AT_EX users

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November 2000

This short sampler document is mostly taken from an answer provided to me for the UK TUG FAQ by Anthony Goreham.

1 Default script fonts

The `\mathcal` command gives us:

ABCDEFGHIJKLMN^OPQRSTUVWXYZ

Caveat: The AMS Postscript Type 1 versions of the Computer Modern fonts (which are used for the Postscript and PDF distributions of this document) are based on Knuth's 'old' shape for the letter "T": compare the current (Metafont) version — *T* with the Type 1 version — *T*

2 Euler script fonts

The package `eucal` changes the definition of `\mathcal` to give us:

ABCDEFGHIJJKLMNOPQRSTUVWXYZ

3 Ralph Smith's Formal Script

The package `mathrsfs` gives us a new command `\mathscr`, and with that we get

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z

4 Using the Adobe Zapf Chancery font

There's no defined package for this rather pleasing font. To get the font at its default size, one may say (in the document preamble):

```
\DeclareMathAlphabet{\mathpzc}{OT1}{pzc}{m}{it}
```

which declares a command `\mathpzc` which give us:

ABCDEFGHIJKLMNOPQRSTUVWXYZ

which (in Anthony Goreham's view) may seem a bit large. He gives a recipe for producing a smaller version, in the FAQ answer.