A virtual font for URW Chancery Math

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The URW clone of the universally available PostScript font Zapf Chancery may be used as a math calligraphic font by means of the following lines in the preamble:

The results are not always good if you attach math accents or sub-/super-scripts as the metrics are designed for a text font rather than a math font.

This small package provides a virtual math font linked to uzcmi8r with side-bearings, subscript position and accent position adjusted manually for each glyph. Following

\usepackage[scaled=1.15]{urwchancal}

which redefines \mathcal to output URW Chancery glyphs, the input line

 $\[A=\bar{\mathbf{M}}^2_k+\hat{Z}\}.\]$

yields

$$A = \bar{\mathcal{M}}_k^2 + \hat{\mathcal{Z}}.$$

In addition to scaled, there is on option mathscr, which enables \mathscr rather than \mathcal to point to URW Chancery.

The long tails on some of the glyphs make this font problematic as a math font, but it has some virtues, not the least being its universal availability. For a font of similar appearance without the long-tail problems, consider the script font in Mathematica5.