The `emf` package

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1 Introduktion

This package provides LaTeX support for the symbol for the EMF ($\mathscr{E}$) in electric circuits and electrodynamics. It provides support for multiple symbols but does not provide any fonts. The fonts themselves must be aquired otherwise. However the fonts are part of a normal TeXLive installation.

2 Usage

2.1 Loading the package

$\backslash$ usepackage $\{$ emf $\}$

2.2 Options

scale=⟨*num*⟩ Set a scale factor for the font. As this package as much as possible relies on existing font support the 'scale' option only applies to some of the fonts. Some of the fonts are scaled as default. Thus the 'scale' option changes this as the scale factors are not multiplied.

boondox Use the calligraphical E from the STIX fonts: $\mathscr{E}$. This is the default of the package. It is possible to scale this symbol. The default scale is 1.1.

calligra Use the calligraphical E from the Calligra font: $\mathscr{E}$. It is possible to scale this symbol. The default scale is 1.07.

chorus Use the calligraphical E from the TeX Gyre Chorus font (Chancery): $\mathcal{E}$. It is possible to scale this symbol. The default scale is 1.22.

cmr Use the calligraphical E from Computer Modern: $\mathcal{E}$.

fourier Use the calligraphical E from the fourier fonts (Utopia like): $\mathscr{E}$.

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frcursive Use the E from the French Cursive font: $\mathcal{E}$.

miama Use the E from the Miama Nueva font: $\mathcal{E}$. It is possible to scale this symbol. The default scale is 0.85.

rsfs Use the E from *Ralph Smiths Formal Script: $\mathscr{E}$*.

cal Use the default calligraphical E of the document. In this document from Computer Modern: $\mathcal{E}$. This option depends on the math fonts loaded by the user.

u0 Use the notation U_0 as a symbol for EMF.

U0 The same as otion 'u0'.

text=$\langle text \rangle$ Use *text* as symbol. The default is *EMF*.

2.3 Command

To access the selected symbol just type \emf in your document. \emf only applies to math mode.

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