Name

eqn2graph − convert an *eqn* equation into a cropped image

Synopsis

eqn2graph [**−format** *output-format*] [*convert-argument* . . .]

eqn2graph −−help

eqn2graph −v
eqn2graph −−version

Description

eqn2graph reads a one-line *eqn*(1) equation from the standard input and writes an image file, by default in Portable Network Graphics (PNG) format, to the standard output.

The input EQN code should *not* be preceded by the **.EQ** macro that normally precedes it within *groff*(1) macros; nor do you need to have dollar-sign or other delimiters around the equation.

Arguments not recognized by *eqn2graph* are passed to the ImageMagick or GraphicsMagick program *convert*(1). By specifying these, you can give your image a border, set the image's pixel density, or perform other useful transformations.

The output image is clipped using *convert*'s **−trim** option to the smallest possible bounding box that contains all the black pixels.

Options

−−help displays a usage message, while **−v** and **−−version** show version information; all exit afterward.

−format *output-format*
: Write the image in *output-format*, which must be understood by *convert*; the default is PNG.

Environment

GROFF_TMPDIR
TMPDIR
TMP
TEMP These environment variables are searched in the given order to determine the directory where temporary files will be created. If none are set, */tmp* is used.

Authors

eqn2graph was written by Eric S. Raymond ⟨esr@thyrsus.com⟩, based on a recipe for *pic2graph*(1), by W. Richard Stevens.

See also

pic2graph(1), *grap2graph*(1), *eqn*(1), *groff*(1), *convert*(1)