

Name

pic2graph – convert a *pic* diagram into a cropped image

Synopsis

pic2graph [**-unsafe**] [**-format** *output-format*] [**-eqn** *delimiters*] [*convert-argument* ...]

pic2graph **--help**

pic2graph **-v**

pic2graph **--version**

Description

pic2graph reads a *pic*(1) program from the standard input and writes an image file, by default in Portable Network Graphics (PNG) format, to the standard output. It furthermore translates *eqn*(1) constructs, so it can be used for generating images of mathematical formulae.

The input PIC code should *not* be wrapped with the **.PS** and **.PE/.PF** macros that normally guard it within *groff*(1) documents.

Arguments not recognized by *pic2graph* 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.

-eqn *delimiters*

Use *delimiters* as the opening and closing characters that delimit *eqn* directives; the default is “\$\$”. The option argument *delimiters* should be a two-character string, but an empty string (“”) is accepted as a directive to disable *eqn* processing.

-format *output-format*

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

-unsafe

Run *groff* in *unsafe* mode, enabling the PIC command **sh** to execute arbitrary Unix shell commands. The *groff* default is to forbid this.

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

pic2graph was written by Eric S. Raymond <esr@thysus.com>, based on a recipe by W. Richard Stevens.

See also

W. Richard Stevens, *Turning PIC into HTML* <<http://www.kohala.com/start/troff/pic2html.html>>

eqn2graph(1), *grap2graph*(1), *pic*(1), *eqn*(1), *groff*(1), *convert*(1)