

NAME

`pic2graph` – convert a PIC diagram into a cropped image

SYNOPSIS

`pic2graph` [**-unsafe**] [**-format** *output-format*] [**-eqn** *delimiters*] [*convert-arguments*]

`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** 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

-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.

--help Display a usage message and exit.

-unsafe

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

-v

--version

Display version information and exit.

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@thyrus.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)`