

**NAME**

`grap2graph` – convert a GRAP diagram into a cropped image

**SYNOPSIS**

`grap2graph` [**–unsafe**] [**–format** *output-format*] [*convert-arguments*]

`grap2graph` **–help**

`grap2graph` **–v**

`grap2graph` **–version**

**DESCRIPTION**

`grap2graph` reads a *grap*(1) program from the standard input and writes an image file, by default in Portable Network Graphics (PNG) format, to the standard output.

The input GRAP code should *not* be wrapped with the **.G1** and **.G2** macros that normally guard it within *groff*(1) documents.

Arguments not recognized by `grap2graph` 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**

**–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**

**grap2graph** was written by Eric S. Raymond <esr@thyrsus.com>, based on a recipe for *pic2graph*(1), by W. Richard Stevens.

**SEE ALSO**

*pic2graph*(1), *eqn2graph*(1), *grap*(1), *pic*(1), *groff*(1), *convert*(1)