

NAME

pnmsmooth - smooth out an image

SYNOPSIS

pnmsmooth [-size *width height*] [-dump *dumpfile*] [*pnmfile*]

DESCRIPTION

Smooths out an image by replacing each pixel with the average of its width X height neighbors. It is implemented as a C program that generates a PGM convolution matrix and then invokes *pnmconvol*.

OPTIONS**-size width height**

Specifies the size of the convolution matrix. Default size is a 3x3 matrix. Width and height sizes must be odd. Maximum size of convolution matrix is limited by the maximum value for a pixel such that (width * height * 2) must not exceed the maximum pixel value.

-dump dumpfile

Generates and saves the convolution file only. Use of this option does not invoke *pnmconvol*.

SEE ALSO

pnmconvol(1), *pnm*(5)

AUTHORS

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Converted from script to C program December 1994 by Mike Burns (burns@chem.psu.edu).