Pamsharpness User Manual

pamsharpness

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NAME

pamsharpness - measure the sharpness of a PNM/PAM image

SYNOPSIS

pamsharpness [*imagefile*]

DESCRIPTION

This program is part of Netpbm.

pamsharpnessreads a Netpbm image (PNM or PAM) and prints a number that tells how sharp it is.

Sharpness is a measure of how suddenly (in space) colors change in the image. **pamsharpness** computes the sharpness of the image as the average difference in intensity between each pixel and its 8 surrounding pixels, in each of the color components (R, G, B).

pamsharpness does not include the edges of the image, where there are not 8 pixels surrounding a pixel, in its computation.

pamsharpness assumes that the image is a PNM or PNM equivalent PAM. If it isn't, the results are not necessarily meaningful.

SEE ALSO

pamsharpmap, **pammasksharpen**, **pam**, **pnm**

HISTORY

pamsharpness was added to Netpbm in Release 10.21 (March 2004). Bryan Henderson derived it from the program **pnmsharp** by B.W. van Schooten and distributed as part of the Photopnmtools package.

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