Ppmtoyuvsplit User Manual

ppmtoyuvsplit

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NAME

ppmtoyuvsplit - convert a PPM image to 3 subsampled raw YUV files

SYNOPSIS

ppmtoyuvsplit *basename* [*ppmfile*]

DESCRIPTION

This program is part of Netpbm.

ppmtoyuvsplit reads a PPM image as input. Produces 3 raw files *basename*.Y, *basename*.U and *basename.V* as output.

The output files are the subsampled raw YUV representation of the input PPM image, as required by the Stanford MPEG codec. The Y output file contains a byte for each pixel in the image, with the rows going from top to bottom and the columns within each row going left to right. The U and V output files are arranged similarly, except that each byte represents a square of 4 pixels of the image. The value is the arithmetic mean of the value for each of those 4 pixels. Hence, the Y file is 4 times the size of the U file or V file.

The YUV values are scaled according to CCIR.601, as assumed by MPEG.

SEE ALSO

yuvsplittoppm, ppmtoyuv, ppmtoeyuv, ppmtompeg, ppm

AUTHOR

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Based on ppmtoyuv.c

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