Abstract

Image compression is the most important process in image processing. Image compression is one of the processes to reduce redundant information. In image compression, the two methods are Lossless Image Compression and Lossy Image Compression. Mostly Lossy image compression is used in Video Conferencing and Video Chat applications. In DCT2 process, the compressed image quality is based on coefficient values. The PSNR values are almost lies in the range between 40 and 50 dB. Compression ratio of compressed image and input image is above 50%. The quality of output compressed image is also good in quality.

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Index Terms

Computer Science Image Processing
Keywords
  DCT2  Compression ratio  Histogram  PSNR and Matlab