Abstract

An image compression method eradicates redundant and/or unrelated information, and resourcefully encodes leftovers. Practically, it is frequently essential to toss away both non-redundant information and relevant information to attain the essential compression. In any case, the ploy is discovering methods that permit important information to be resourcefully extracted and represented. This paper copes with dissimilar compression methods for comprising the information in an image. The information can be compressed by means of Lossy techniques such as Quantization, Transform coding, Block Transform Coding or Lossless techniques such as Run Length Coding, Lossless Predictive Coding, Multi-resolution Coding. All these techniques have been discussed in this paper and the performance of any technique/method is analyzed on various parameters like MSE and PSNR.

References

A Review of Image Compression Techniques


Index Terms

Computer Science Image Processing

Keywords

Discrete Cosine Transform (DCT), Discrete Wavelet Transform (DWT), Mean Square Error
(MSE), Peak Signal-to-Noise Ratio (PSNR).