Abstract

The image compression is the technique if image processing which is applied to reduce size of the input image. The image compression is broadly classified into lossy and lossless type of compression. The WDR algorithm is the lossy type of compression. In this paper, improvement in the WDR algorithm is been proposed and improvement is based on decision tree algorithm. The proposed algorithm is been implemented in MATLAB and it is been analyzed that compression ratio and PSNR is increased in the proposed algorithm.

References


Greedy Algorithm for Image Compression in Image Processing


7. Gang Li, Xiao Li, Sheng Li, Huang Bai, Qianru Jiang, and Xiongxiong He, ”Designing Robust Sensing Matrix for Image Compression”, IEEE TRANSACTIONS ON IMAGE PROCESSING, VOL. 24, NO. 12, DECEMBER 2015


11. Jianquan Yang, Guopu Zhu, and Yun-Qing Shi, ”Analyzing the Effect of JPEG Compression on Local Variance of Image Intensity”, 2015, IEEE, 1057-7149


Index Terms

Computer Science
Image Processing

Keywords
WDR, PSNR, Compression ratio, lossy, lossless