Abstract

Image compression is a technique to reduce the volume of information to be transmitted. Compression technique reduces the bandwidth and the volume of the information to be transmitted. We can compress audio signal, video signal, text, fax and images. For medical images lossless compression is used and for other types lossy compression can be used. For compressing an image we can use the DCT technique. But after compression during decompression and recovering original image from compressed image we can face problem of blocking artifacts. Various methods can be used for removing blocking artifacts. One of them is DCT filtering. Further for getting better results we can remove blocking artifacts by spatial and hybrid filtering method. Our experimental results shows that hybrid filtering gives better performance on the bases of better PSNR, BER and MSE.

References


**Index Terms**

Computer Science  
Signal Processing
Keywords
Dct  Spatial Filtering  Hybrid Filtering  Jpeg  Blocking Artifacts  Image Compression  Mse  Ber  Psnr