Abstract

The region of image compression since it is applicable to various fields of image processing. The key goal of compression is to cut back the space for storage and decrease the transmission cost and maintain the visual quality of image. This paper presents fundamental approach for analysis and evaluating the image compression techniques. This paper describes the many techniques which can be used for image compression and describes about artifacts which can be consequence of compression and their reduction techniques. This paper presents a new Canny edge based restoration method to remove artefacts from compressed image. Firstly standard JPEG compression is used to compress the first image. Compressed image contains various visible artefacts like blurring artifacts, blocking artifacts and ringing artifacts. Then to remove ringing artifacts proposed method i.e. image restoration as a post processing method is used. Experimental effects of proposed method by use of various performance parameters are good.

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**Index Terms**

Computer Science  
Image Processing
Keywords

JPEG Image compression, artifacts, Edge preservation based Image restoration method.