Abstract

Image deblurring is the process of removing blurring artifacts from images, such as the blur caused by camera misfocus, aberration or motion blur. Image is mostly degraded with the addition of noise such as salt and pepper noise, Gaussian, Exponential, uniform, periodic and others. Image de-blurring is required to reduce noise and recover the resolution loss. An efficient technique for modifying or enhancing an image is filtering which can be applied to emphasize certain features or remove other features. Linear filtering techniques are quick, although there is no detail preservation leading to loss of edge information. In this paper, the
focus is on the adaptive median filtering technique for image de-blurring purpose as it restores the image without affecting edges and the image details. With the non-linear filters, noise can be minimized without recognizing it exclusively and it provides better results for salt and pepper noise.

References


Index Terms

Computer Science

Image Processing

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Keywords