Abstract

During the process of image acquisition, sometimes images are degraded by various reasons. Image restoration is a challenging task in the field of Image processing. The process of recovering such degraded or corrupted image is called Image Restoration. Restoration process improves the appearance of the image. The degraded image is the convolution of the original image, degraded function, and additive noise. The process of restoration is deconvolved this degraded image to obtain noiselessly and deblurred original image. Various methods available for image restoration such as inverse filter, Weiner filter, constrained least square filter, blind deconvolution method etc. some of the methods are either linear or non-linear method helps to remove noise and blur from the image. In this description and comparison of restoration techniques are mentioned. In this paper, various spatial domain filters are discussed which are used to remove noise from the images.

References


Index Terms

Computer Science

Image Processing

Keywords

Image Restoration, Degraded Image, Blur, Noise, PSF