Abstract

Image restoration is process of recovering the original image by removing noise and blur from image. Image blur is difficult to avoid in many situations like photography, to remove motion blur caused by camera shake, radar imaging to remove the effect of image system response, etc. Image noise is unwanted signal which comes in image from sensor such as thermal or electrical signal and Environmental condition such as rain, snow etc. Researchers have proposed many methods in this regard and in this paper we will examine and discuss different noise and blur models and restoration methods.

References


Index Terms

Computer Science

Image Processing

Keywords

Degradation model, image noise and blur model, restoration techniques, point spread function
(PSF), peak signal to noise Ratio (PSNR).