Abstract

The goal of image filtering is to remove the noise from the image in such a way that the "original" image is visible. Linear filter [1] is the filtering in which the value of an output pixel is a linear combination of neighborhood values, which can produce blur in the image. Median filter is the one of the most popular non-linear filter. Image filtering is a method by which we can enhance images. Image filtering methods are applied on images to remove the different types of noise that are either present in the image during capturing or injected into the image during transmission. In these work Gaussian noise used and image filtering performed by Linear and Non Linear filter. Further results have been compared for filters using Standard Deviation and Mean Square Error value.
References


Index Terms

Computer Science
Image Processing

Keywords
Gaussian noise Linear Filter Non Linear Filter Standard Deviation Mean Square Error.