Performance Evaluation of Data Mining based Images by using Fuzzy, Mean, Median Trilateral Filter

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Abstract

In Digital Image Processing removing the noise from an images is a very important to get the excellent result. Different filtering techniques like Median Filter and Mean Filter is not effective oftentimes for filtering the digital images. The newest procedure in this paper has focused on the data mining methods to improve data mining based fuzzy filtering further by utilizing filter for mixed noises and adaptive manifolds and high-dimensional mean-median filter for salt and pepper noises for successfully removing the noise. The latest working in this paper is that the usage of Trilateral filter for filtering the images, it is especially uses when a Gaussian noise is created in the images. The performance is evaluated by applying, Peak Signal to noise ratio, Root mean square error, Normalized cross-co relation it shows encouraging results.

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Index Terms

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Keywords

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