LHM Filter for Removal Salt and Pepper with Random Noise in Images

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Abstract

In today’s modern world, the image quality will be as good as the more information we can get from that image as an image of a planet comes to us, we will clean the image quality as ours about the Planet, But the more information will be able to achieve the integration of mixed noise in the image, we cannot get more information A LHM filter is proposed to remove high density salt & pepper noise from digital images and outer range noise. The proposed filter works in two stages, in the first stage the noisy pixels are detected and in the second stage each noisy pixel is replaced by the mean value of noise free pixel of 3×3 the performance of proposed filter is compared with the existing “Impulse Noise Removal Using MDBUTMF with Histogram Estimation filters “. The proposed filter shows better performance as compared to the above mentioned filters for noise removal from different gray scale images.

References
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Index Terms

Computer Science

Image Processing
Keywords

Image de-noising, Image classification, Image restoration and decomposition, Impulsive Noise, MDBUTMF.