Gaussian Noise Filtering Techniques using New Median Filter

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Abstract

Image filtering is a essential part of image processing. There are various filter are available but gives better result only for particular noise. Median filter are one of them median filter give better result for 'salt and pepper' noise but when we use this filter in Gaussian noise not give better result. We are proposing a new median filter with some modification of existing median filter pixel values for Gaussian noise. We are also showing comparison with existing various size of median filtering also showing the result using some noise parameters.

References

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**Index Terms**

Computer Science  
Image Processing

**Keywords**

Median filter  Gaussian noise  Peak Signal to Noise Ratio  Maximum Absolute Error  impulse noise.