Abstract

Images are a crucial part of everyone’s life in this modern world. The increase in the number of these has led to a need of better results like better quality, better diagnosis of medical problems etc. Reducing noise from the images is a challenge for the researchers in digital image processing. Several approaches are there for noise reduction. Generally speckle noise is commonly found in the synthetic aperture. This research proposes techniques for the removal of speckle noise from the images. In our proposed method we use medical images and denoise it to remove speckle noise. Weiner filter in combination with hybrid median filter is proposed for the problem in hand. It gives better results for the denoising of the speckle noise corrupted image.

References

1. Speckle Filtering of SAR Images - A Comparative Study Between Complex-Wavelet-Based and Standard Filters _ L. Gagnon and A. Jouan D_epartement de
Despeckling of Images using Weiner Filter and Hybrid Median Filter

R&D, Lockheed Martin Canada, 6111 Ave. Royalmount, Montréal, Montréal(Quebec), H4P 1K6, CANADA


Index Terms

Computer Science
Image Processing

Keywords

Weiner Filter, Dspeckle Noise, Kuan Filter, Hybrid Median Filter, Image Denoising