Abstract

The gray scale digital image is an aggression of intensity values, represented in the form of two-dimensional array. But the digital images get corrupted by noise during acquisition and transmission. Noise is termed as any irrelevant data that obscures the authenticity of original data. Several noise removal algorithms are applied to ultrasound images in order to remove/reduce the noise level and improve the visual quality for better diagnoses. In the proposed method three algorithms named Median Filtering, Convolution and Wavelet Transform have been used on different ultrasound images and we have calculated the Relative Signal to Noise Ratio have been calculated for the measurement of image quality performance.

References

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Index Terms

Computer Science
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Ultrasound Images SNR Median Convolution Wavelet