Abstract

Image denoising methods are used to remove the noise components without affecting the important image features and content. Wavelet transforms represent image energy in a compact way and this representation helps to find the threshold between noisy features and important image features. In this work, we proposed a contextual information-based thresholding method in Dual tree complex wavelet transform. We compared our method with other two denoising methods. For comparison purposes, we used two standard image processing images using different Gaussian noise variances.

References

Improved Image Denoising Algorithm using Dual Tree Complex Wavelet Transform


Index Terms

Computer Science  Signal Processing

Keywords

Neighshrink sure  Dual Tree Complex Wavelet  Thresholding