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 threshold between noisy feature 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 purpose we used two standard image processing images using different Gaussian noise variance.

References

Improved Image Denoising Algorithm using Dual Tree Complex Wavelet Transform

- Zhou Dengwen, 'An Image Denoising Algorithm with an adaptive window IEEE 2007

**Index Terms**

Computer Science  
Signal Processing

**Keywords**

Neighshrinksure  
Dual Tree Complex Wavelet  
Thresholding