Abstract

The most significant task of image processing is to reduce noise which is commonly found in images. In recent years, technology is being improved to analyze the images to get better quality. Since the image gets loss of edge feature and detail information during the process of de-noise, this paper attempts to present and compare a new method based on curvelet transform using image fusion. Results show that this approach has a broad future for removing noise as well as preserving edges of image.
References

- E. J. Candes and D. Donoho, "Curvelet: a surprisingly effective nonadaptive representation for objects with edges", Proceeding of Curves and Surfaces IV, France, pp. 105-121, 1999
- Liyong Ma, Member, IAENG, Jiachen Ma and Yi Shen, "Pixel Fusion Based Curvelets and Wavelets Denoise Algorithm", Engineering Letters, 14:2, EL_14_2_16 (Advance online publication: 16 May 2007)

Index Terms
Keywords
Curvelet  Image Fusion  Denoise  Multiresolution  Ridgelet  Gaussian Filter.