

Fast Algorithm For Wavelet Thresholding In Presence Of Multiple Noisy Image Copies

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Abstract : This paper deals with the recovery of an image from noisy observations when multiple noisy copies of the image are available. Two configurations based on wavelet shrinkage algorithm and averaging technique are proposed. The performance of these methods is an improvement upon other methods proposed in the literature and are algorithmically simple for large computational saving. The proposed structures take a number of noisy copies of the image onto consideration in the computation of the threshold.

Keywords : image denoising, Wavelets Thresholding, Multiresolution, Multiple Noisy Image copies