Abstract

In this research work adopted the frequency domain watermarking scheme which is embedded using discrete wavelet transform (DWT) singular value decomposition (SVD) and High Boost Filtering (HF). By singular values factoring it represent smaller set of values and it can preserve constructive feature of an original image. After that, apply high boost filtering in decomposed in high frequency sub-band on both images to improve the value PSNR. The MSE, PSNR and NC performance parameters are taken to measure the efficiency of the propose method. The simulated experimentation is done in MATLAB and the simulation results of propose method (DWT-SVD-HF) gives improved results than the existing method (DWT).

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Index Terms

Computer Science       Image Processing
Keywords

DWT, SVD, High Boost Filter, Digital Image Watermarking. MATLAB, PSNR