Abstract

An approach to a robust reference image watermarking scheme in Discrete Wavelet Transform (DWT) using Singular Value Decomposition (SVD) and edge detection has been proposed. Here the cover image has scrambled and then segmented into number of blocks. Based on number of edges in each block we form a reference image. Then modify the singular values of DWT applied reference image and the watermark image. The proposed algorithm provides good robustness against various attacks.

References

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Towards Robust Reference Image Watermarking using DWT- SVD and Edge Detection


Index Terms

Computer Science

Image Processing

Keywords

Reference Image    DWT    SVD    Edge Detection