Abstract

This project acquaints an algorithm of digital watermarking which is based on Least Significant Bit (LSB), Discrete Cosine Transform (DCT) and Discrete Wavelet Transform (DWT). In accord with the characters of human vision, the main objective of the project is to be focused on comparative analysis of this algorithms on the basis of invisibility, distortion and robustness to attacks. The simulation results show that this algorithm is invisible and has good robustness for some common image processing operations. By the use of Matlab software, the algorithms have been coded and then implemented properly.
Analysis of Robustness of Digital Watermarking under Various Attacks

Reference

8. Shital Gupta, Dr Sanjeev Jain A Robust Algorithm of Digital Image Watermarking Based on Discrete Wavelet Transform. Published in Special Issue of IJCCT Vol.1 Issue 2, 3, 4; 2010 for International Conference
9. ACCTA-2010, 3-5 August 2010.

Index Terms

Computer Science
Communications

Key words

Digital watermarking
Least Significant Bit
Discrete Cosine Transform
Discrete Wavelet Transform
Peak Signal to Noise Ratio

Mean squared Error