Comparative Analysis and Measuring Qualitative Factors using Colour and Gray Scale Images for LSB and DCT - Mid Band Coefficient Digital Watermarking

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Abstract

In this paper the concept of Image Steganography is tested for Watermarking algorithms. Least Significant Bit (LSB) based spatial domain technique and Mid band Discrete Cosine Transform (DCT) domain techniques are compared. After computing the results using coefficient DCT Mid band watermarking algorithm is more secure than LSB.

References


Index Terms

Computer Science Image Processing

Keywords

Watermarking, Discrete Cosine Transform(DCT), Least Significant Bit(LSB), Peak Signal Noise Ratio(PSNR), Mean Square Error (MSE)