Comparative study of Watermarking and Encryption Schemes for JPEG2000 Images

Abstract:

In this paper, we are comparing three watermarking schemes namely Spread Spectrum (SS), Scalar Costa scheme Quantization Index Modulation (SCS_QIM), Rational Dither Modulation (RDM) and the encryption techniques like RC4,RC5,RC6 which is responsible for the robustness of the above said watermarking system for JPEG2000 images. The Peak Signal to Noise Ratio (PSNR) and the Mean Square Error (MSE) for different watermark images have been compared and presented in this paper.