

Abstract

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A ROBUST STEGANOGRAPHY TECHNIQUE USING DISCRETE COSINE TRANSFORMATION

A large number of commercial steganographic programs use the Least Significant Bit embedding (LSB) as the method of choice for message hiding in 24-bit, 8-bit color images, and grayscale images respectively. It is commonly believed that changes to the LSBs of colors cannot be detected due to noise that is always present in digital images [1]. In this paper, we describe the LSB embedding technique, the Discrete Cosine Transform (DCT) embedding technique is described; finally we will propose a new technique that uses the idea of embedding a bit in the spatial domain combined with the DCT embedding technique.