

## DCT and Stream Ciphers for Improved Image Encryption Mechanism

**Authors :** T. R. Sharika, Ashwini Kumar, Kamal Bijlani

**Abstract :** Encryption is the process of converting crucial information's unreadable to unauthorized persons. Image security is an important type of encryption that secures all type of images from cryptanalysis. A stream cipher is a fast symmetric key algorithm which is used to convert plaintext to cipher text. In this paper we are proposing an image encryption algorithm with Discrete Cosine Transform and Stream Ciphers that can improve compression of images and enhanced security. The paper also explains the use of a shuffling algorithm for enhancing securing.

**Keywords :** decryption, DCT, encryption, RC4 cipher, stream cipher

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