

A UNIFIED SCHEME OF DATA EMBEDDING THROUGH STEGANOGRAPHY AND CRYPTOGRAPHY

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ABSTRACT

The privacy of the data transferred between the nodes of the network is the topic which is researched by many people. However, cryptography techniques, was always been an ultimate idea to protect the data. We propose an idea using both cryptography and steganography techniques to protect the data that is to be transmitted. In existing system, permutation algorithms applied to original images encrypt and embed into image format. In proposed system, text/image format used as secret message. DES, Triple – DES and RSA permutation algorithm used for password protection to encrypt password and secret message which is converted into binary code format then it is to be embedded into carriers of media file format such as image/audio/video. Decoding is the reverse process of encoding. Keys are used to extract the secret message file from hidden file.

KEYWORDS: Data hiding, JPEG, Steganography, Cryptography.