

Abstract Details

Title: Two Layer Provision for Secure Data Transmission

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Abstract: A new security technique for data transmission called dual layered approach is proposed in this paper. It uses the combination of two data security tradeoffs. In first layer data is encoded by application of key encryption and then next layer performs the hiding of encoded data in an image. It uses the same principal of LSB replacement with a new parameter of selection of pixels on basis of their intensity. Pixels of image used for embedding and replacement are selected on basis of the color value of their surrounding pixels and thus more intense and different pixel is selected each time for hiding data each time in this approach.

Keywords: Cryptography, Intensity, Least Significant Bit, Steganography.