Abstract

Visual cryptography is a technique that is used to share the secret data in the form of images for acquiring data security. This technique involves encryption and decryption processes for securing data. In encryption process the original image is divided into number of shares and then sends to other end. In decryption by using simple computations the subset of shares combined to reconstruct the original image. In the proposed method by using bit sharing method the original image is divided into four shares. These shares are covered with different cover images by using genetic algorithm and mathematical operations along with column transposition.

References

A Hybrid Visual Cryptographic Lossless Image Sharing Scheme based on Bit Sharing


Index Terms

Computer Science

Security

Keywords

Visual cryptography, lossless, Image sharing, Bit sharing, LSB, Crossover, Column transposition.