Abstract

Internet plays an important role in circulating a huge amount of multimedia. An example of this multimedia is the image. To send an image over the network secretly, the sender tries to find encryption algorithm to hide image information. This paper aims at designing an efficient encryption algorithm for color image using random image key generated with minimum time execution for encryption and decryption operations. XOR operation is used here to make more diffusion of the encrypted image to maintain a higher level of security upon transference than it is with the original image.

References

Fast Image Encryption based on Random Image Key


and Technology", Chapter 17, InTech, USA, pp395-422.


Index Terms

Computer Science

Image Processing

Keywords

Encryption, Decryption, Random Key, XOR operation.