Abstract

Image encryption is conversion of image to a distorted form so that it can be secured from unauthorized users. This paper implements and investigates two methods for image encryption. First technique is encryption of image by linear congruential generator. Random numbers are generated by Linear congruential generator. These numbers are used as index for shuffling of rows, columns and pixels of an image. Second technique uses logistic maps to generate random number sequences. These random numbers are used as index for shuffling of rows, columns and pixels of an image. Finally we have analyzed two methods on basis of image quality parameters.

References


**Index Terms**

Computer Science  
Security

**Keywords**

Encryption  
Logistic map  
Linear congruential generator