Abstract

Information security is the key in the era of electronic data exchange. Images constitute a large portion of the electronic data. Confidentiality of color images is a difficult process. Most of the image encryption algorithms are complex and compromise on the quality of the image. This paper proposes a new image encryption based on random pixel permutation with the motivation
to maintain the quality of the image. The values used in the encryption process are preserved in the form of a 64 bit key and sent to the receivers. The receivers jointly use the key and the shares to see the secret.

Reference


Index Terms

Computer Science Information Security
Key words

Image

Encryption

Decryption

Security

Permutation