Grayscale Image Encryption using Cellular Automata

International Journal of Computer Applications
Foundation of Computer Science (FCS), NY, USA

Volume 142
Number 1

Year of Publication: 2016

Authors:
Mohamed ElRakaiby

10.5120/ijca2016909655

Abstract

In this paper, second order cellular automata is applied on a grayscale image as block cipher using 128 bit key, Also different security analysis are applied for variants of iterations and rounds using block identifier as an additional input to the cipher.

References

Grayscale Image Encryption using Cellular Automata


Index Terms

Computer Science
Image Processing

Keywords

Image encryption, Block cipher, Symmetric key cryptography.