Abstract

Chaotic Encryption Method seems to be much better than traditional encryption methods used today. Chaotic encryption is the new direction of cryptography. It makes use of chaotic system properties such as sensitive to initial condition and loss of information. Many chaos-based encryption methods have been presented and discussed in the last two decades. In order to reach higher performance, these methods take advantage of the more and more complex behavior of chaotic signals. This paper contributes by comparing and analyzing the performance of the past chaotic image encryption schemes.
Reference

- S. E. Borujeni, M. Eshghi, “Chaotic Image Encryption Design Using Tompkins-Paige
Survey: Image Encryption using Chaotic Cryptography Schemes


Index Terms

Computer Science

Security

Key words

Chaotic algorithm

logistic map

perturbation

Baker map

cipher