Abstract

In the present time, Due to the rapid growth of digital communication and multimedia application, security becomes an important issue of communication, storage and transmission of digital data such as image, audio and video. Chaotic map based encryption is one of the ways to ensure high security of the image data. Encryption technique are used in many fields such as medical science, military, geographic satellite images. Thus due to this protecting the image data confidentiality, integrity, security, privacy as well as the authenticity has become an important issue for communication and storage of images via insecure channel like internet. Modern cryptography technique provides essential techniques for securing information and protecting multimedia data. In recent years, many encryption technology have been proposed. In this paper, first a general introduction given for cryptography and images encryption and followed by discussion of different type of chaotic based image encryption techniques and reviewed the related works for each technique. At last, The main purpose of this paper is to help in design of new chaotic based image encryption techniques in future by studying the behavior of several existing chaotic based image encryption algorithms.
References

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**Index Terms**

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