زينب جاسم حسين
Supervisor Dr. Hayder Kadhim Zghair

Image Encryption using a logistic chaotic system

Abstract

This project aims to develop an efficient method for encrypting images using a combination of the logistic map algorithm. The process involves dividing the image into a matrix of small regions. The logistic map algorithm is then used to generate a unique encryption key. This key is used to encrypt the values in each cell of the matrix. This process is repeated for all the small matrices to encrypt the entire image. Results show that this method provides a high level of security and efficiency in image encryption.