An Efficient RC6 based Image Cryptography to Enhance Correlation and Entropy

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Abstract

Security in data communication is a very important concern today. It is used in almost every region like e-commerce, education, and industry and data warehouse. Securely sending and receiving data in the above area is an important as the data is crucial. Image security plays an important role in this age. As the demand of image based message sending is improving day by day. In this paper, we have proposed an efficient image cryptography system based on RC6. The key size and number of variable rounds makes RC6 more secure. The key size is variable up to 2040 bits. The results are achieved in terms of entropy and correlation coefficients. The less variation in entropy is achieved from our approach.

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