Secure Cryptosystem based on Braiding/Entanglement of Pauli 3/2 Matrices

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

Volume 143
- Number 9

Year of Publication: 2016

Authors:
D. Sravana Kumar, P. Sirisha, Ch. Suneetha

10.5120/ijca2016910354

Abstract

As the internet is the basic means of communication nowadays, secure transmission of the sensitive information to the genuine recipient has become a Herculean task. Cryptography is an essential tool for protecting information in computer systems. This paper presents a novel encryption scheme using Braiding/Entanglement of Pauli Spin 3/2 matrices.

References


Secure Cryptosystem based on Braiding/Entanglement of Pauli 3/2 Matrices


Index Terms

Computer Science  Information Sciences

Keywords

Braiding/Entanglement, Encryption and Decryption