

Abstract

Encryption is the process of translating data into a secret code. This paper is intended to introduce a new approach for encryption that uses DUAL languages; Arabic and English. It uses all the Arabic characters for encrypting English messages and vice versa. A pseudo random generator is used to generate unique integer numbers to represent each character in Arabic. The same numbers are used again, after sorting them, to represent the English characters in such a way that each character in Arabic will match another in English. The conclusions indicate the efficiency of this system according to security and time performance.