Abstract

Information security is becoming more and more vital with the progress in the exchange of data. Protected communication in the network is a key necessity. Propose a novel technique to encrypt the image and embed the digital signature into the image. A digital signature is a procedure used to certify the authenticity and integrity of a message, software and digital documents. It is also used to give testimony of non-repudiation of communications. Steganography is an encryption technique that can be used along with cryptography as a more-protected method rising to protect data. Images are the most admired cover objects used for steganography. In the province of digital images, lots of different image file formats are present. Java technology proposed to authenticate the performance of the proposed model in circumstances of message length, key length, cipher text length and computational time for encryption and decryption.


6. Ching-Chuan Lin, “An information hiding scheme with minimal image distortion”, Computer Standards & Interfaces, Volume 33, September 2011


21. Ren-Chiung Wang, Wen-Shenqa Jaung, Chin-Laung Lie, “Robust authentication and key
agreement scheme preserving the privacy of secret key”, Computer Communications, Volume 34, March 2011

Index Terms

Computer Science Security

Keywords

Steganography, Security Features, Image, Encryption, Decryption