Abstract

Though security is nothing new, the way that security has become a part of our daily life is unprecedented. Attacks, misuse or unauthorized access of information is of great concern today which makes the protection of documents through digital media is a priority problem. This urges users to devise new data hiding techniques through steganography principle to protect and
secure the data of vital significance. Considerable amount of work has been carried out by different researchers on steganography. In this work the authors propose a novel audio based steganographic method for wav and mp3 format for hiding information. The proposed approach works by selecting the embedding positions using some mathematical function and maps each four bit of the secret message in each of the selected positions in a specified manner. A pseudo random number generator is used here to locate the embedding positions of the message bits randomly. This solution is independent of the nature of the data to be hidden and produces a stego audio with minimum degradation.

Reference

- Souvik Bhattacharyya, Indradip Banerjee and Gautam Sanyal,A Survey of Steganography and Steganalysis Technique in Image, Text, Audio and Video as Cover Carrier,


Index Terms

Computer Science  Security

Key words

Cover Audio  Mod 16 Method for Audio (M16MA)
Stego Audio