

ABSTRACT

Steganography is the practice of concealing a file, message, image, or video within another file, message, image, or video. The word steganography combines the Greek words steganos, meaning "covered, concealed, or protected," and graphein meaning "writing. As for these days, we would like to keep some files securely so it will not be altered, or removed by someone irresponsible.

In this thesis, we proposed a method for Audio steganography using Data Encryption Standard (DES) and embedded to not just one but two hosts using Least Significant Bit (LSB) algorithm that's why it's called Double Audio Steganography.

The main objectives of this thesis is to hide audio steganography information inside another audio without people being suspicious and we can do it more safely and more securely. Also, this thesis resulted an audio greater than 20 dB, which is a standard distorted file and successfully embed and extract the secret message completely with a noise of 100 dB or higher and without noise attacking the audio.

Keywords: *Concealing a file, DES algorithm, Double audio steganography, LSB Method.*