

Abstract

Steganography is the art and science of writing hidden messages in such a way that no one, apart from the sender and intended recipient, suspects the existence of the message. In other word, steganography must enable the carrier for not being suspicious.

In this final project, the audio steganography is being implemented by using distributed phase coding method. The original phase coding method works by changing the phases of initial signal with the phases that represent the message. Meanwhile for the distributed phase coding method, the message is spread along the signal, but still focusing in changing the signal's phases with the phases that represent the message.

From some tests and analyzes, we get the information that distributed phase coding method has quite big capacity and is getting bigger according to the sample size of audio carrier. The quality of the audio resulted from this method is also quite good according to SNR parameter and the Human Auditory System. And when the audio is given attacks i.e. re-sampling and compression, the audio resulted from this method can only surviving the re-sampling.

Keywords : distributed phase coding, phase, compression, re-sampling, SNR