## Abstract

Nowadays, audio recording demands good quality audio records. One of the requirements of the such is the amount of *noise* within the record. The quality of an audio record has an inverted relationship with the amount of *noise* within the record. Current technology allows for the deletion of *noise* through the manipulation of the audio itself.

This [paper] will compare the increase of audio quality gained by using two different methods: Discrite Wavelet Transform (DWT) and Dual Tree Complex Wavelet Transform(DTCWT). Discrite Wavelet Transform (DWT) devides a signal into two parts: high frequency and low frequency. On the other hand, Dual Tree Complex Wavelet (DTCWT) divides a signal into four parts: real high frequency, real low frequency, imaginer high frequency and imaginer low frequency. The comparation will be done through the value of SNR given and the processing time of each method.

Keywords: Wavelet, DWT, DT-CWT, Noise, Wav