**DSP Lab Final Project Report**

Members:

Eugene Lan (yl8241),

Chan-Yu Cheng (cc7283)

**Motivation**

When we were using a normal music player to play some speech or podcasts. We found that there were sometimes having some unpleasant blank (non-speaking) parts and noises due to various reasons (recording quality, lecturer’s’ pauses, etc.). We would like to save some time when listening to the podcasts without fast-forward the informative parts. Hence, we think using some DSP techniques to skip the unpleasant blank would be a great approach to accomplish the task.

**Library Used**

All the library we used are from the course: math, pyaudio, struct, tkinter, wave, time, numpy, os

**Implementation**

Frequency analysis-FFT