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1. Discrete Fourier Transform and Signal Processing Laboratory

Objectives

In this laboratory, we explore how signals are sampled in the real world, and the mathematics that allows us to determine the frequencies from sampled data.

After this laboratory, you will be able to

- Apply the Discrete Fourier Transform to real signals.
- Modify signals by manipulating signal data in the frequency spectrum.
- Identify notes and harmonics in frequency spectrum coming from musical audio files.
- Read frequency information from Spectrograms of audio files that change in time



1. Discrete Fourier Transform and Signal Processing Laboratory

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