BLG 354E Signals and Systems for Computer Engineering

Homework-3 Report

ITU Computer and Informatics Faculty

2020 Spring

Problem 1

Using two audio record samples (music) that are provided in the attachment as .wav files, I wrote a python script to apply low pass filter and high pass filter.

Africa.wav and WinnerTakesAll.wav files are converted to AfricaLPF.wav, AfricaHPF.wav, WinnerTakesAllLPF.wav and WinnerTakesAllHPF.wav.

Low pass filters tend to create a file that has no treble sound, while high pass filters tend to create a file that has no bass sound.

Used Python version: 3.5.2

Used command line: python3 HW3.py

Used development platform: Ubuntu 16.04.6 LTS

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