

EE 311
Assignment 02

January 18, 2017
Due: January 27, 2017

Use the internet to download some interesting but legal music, noise, or sounds. For this assignment you'll need 3 to 5 seconds of sound in wav file format. If you download in another format you can use Goldwave to change the format to the wav format needed for Matlab. Try <http://www.findsounds.com/> for some interesting sounds.

Write a Matlab program to read the wav file and plot it in time. Your program should also find the discrete Fourier transform of the signal and plot it in frequency.

See the text Appendix D (p. 477) for information on how to use Matlab to process wav files. Note that the files Plotwav.m and Plot2wav.m on the website at <http://csserver.evansville.edu/~blandfor> mostly does this assignment for you but you should write your own m-file with appropriate comments.

Turn in a listing of your m-file and a plot of your results.