Instructions for using plot_calc_co-effs.py

This is a program originally written in Python on a Linux system. If you are experienced in Python, just run it in a command terminal. In Linux, you may need to change the permissions to make it executable first. If you have no experience in Python, the easiest way to use the program is to install Anaconda. Anaconda is a complete IDE for Python and it is free to non-commercial users. It can be installed on Linux, Windows or Mac systems. Once Anaconda is installed, you can use the "Spyder" IDE to open the program and run it.

The program asks for how many segments you wish to use in your approximation , it then asks for the audio sample rate. It then calculates and prints out a table of the co-efficients A and B. It also does a plot of the absolute phase error of the approximation, in degrees, over the range from 0 to 1 (corresponding to phase angles of 0 to 45 degrees.
Jim Koehler, August, 2024.