

Report of MP3

Program Link:

/afs/cad.njit.edu/courses/ccs/s17/cs/656/004/kbp57/MP3/udp.c

To invoke transmitter:

./udp (ip address) (port number) (filename) (transmission delay in ms) (buffer size)

Ex. ./udp 128.235.58.28 23456 b0.mp3 26 1024

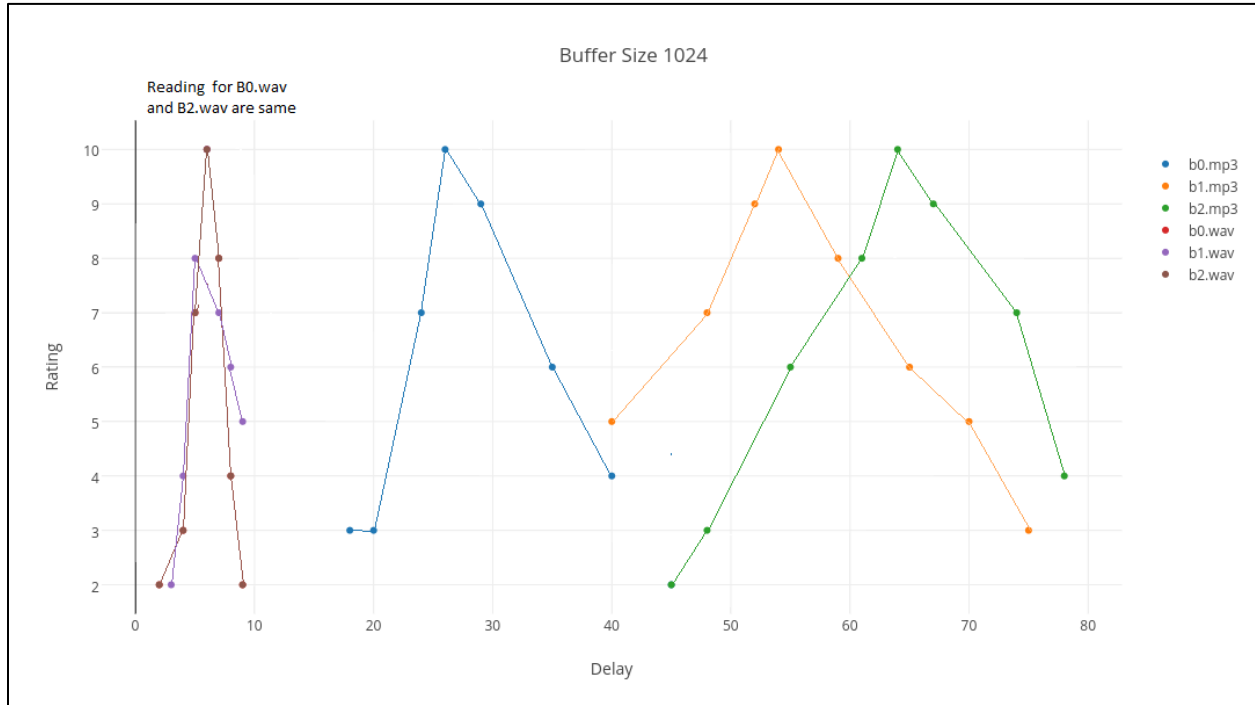
Command to convert .mp3 to .wav using FFMPEG:

./ffmpeg -i (filename).mp3 (filename).wav

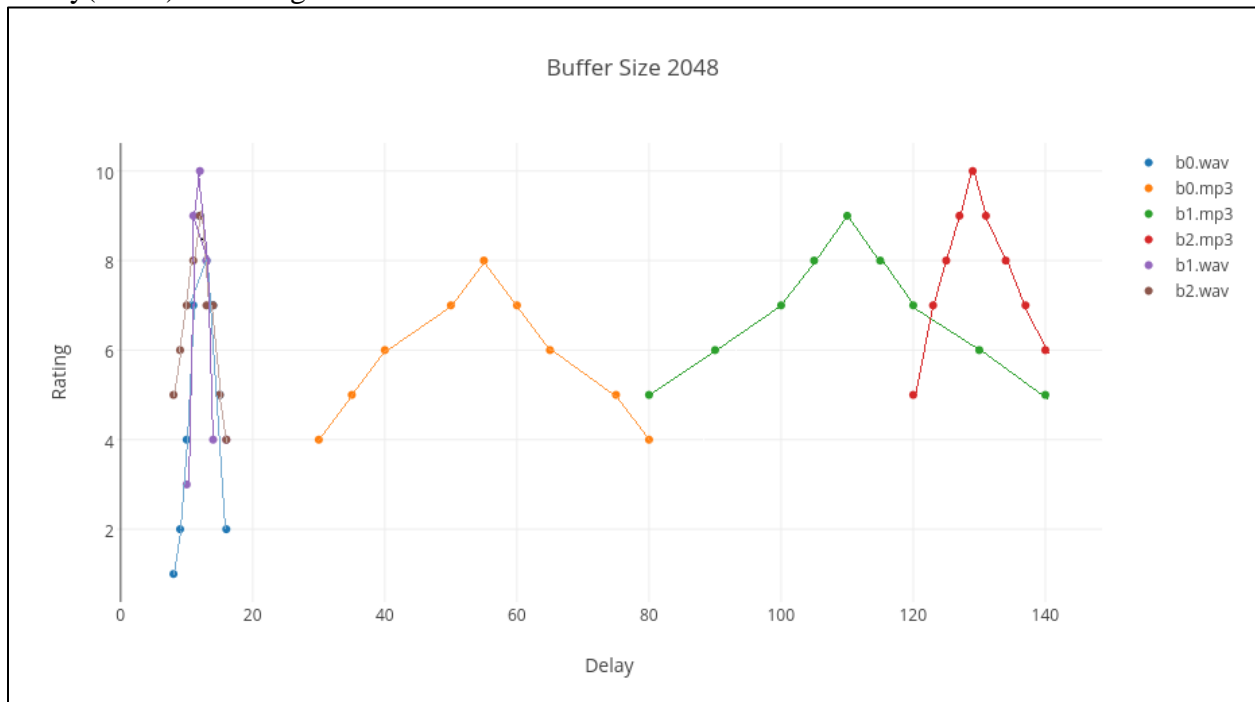
Ex. ./ffmpeg -i b0.mp3 b0.wav

Analysis of Graph

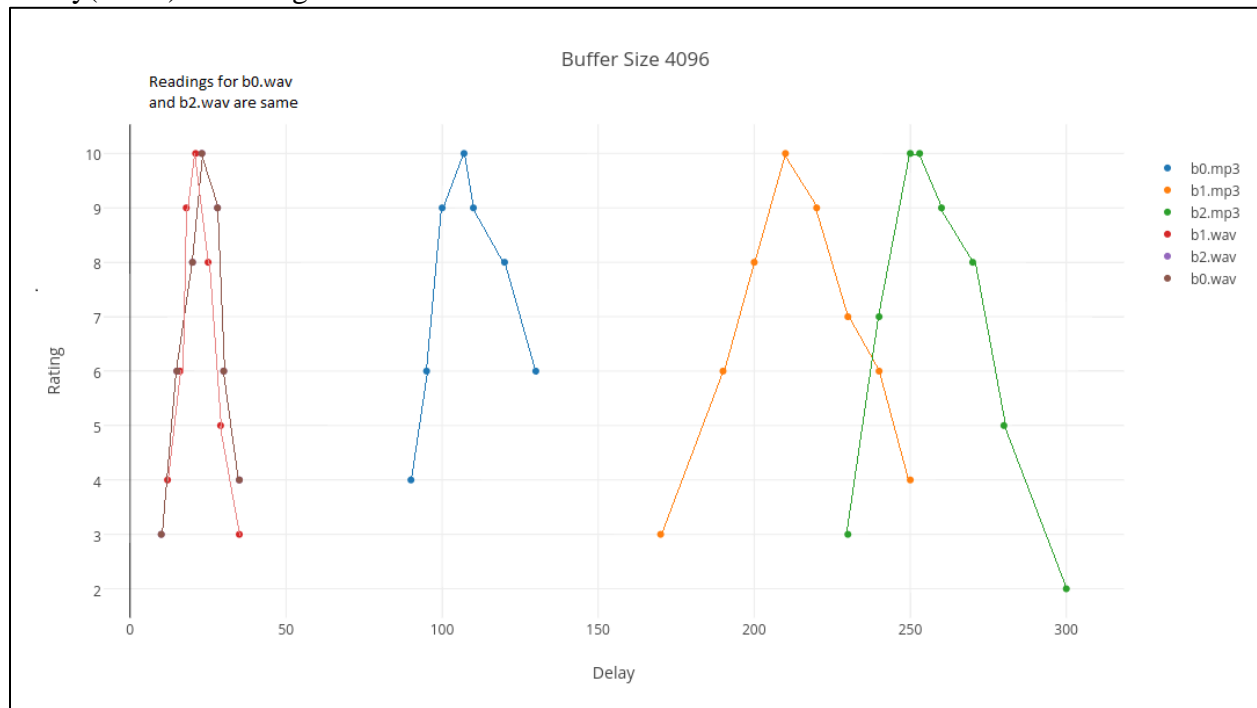
1. Delay(in ms) vs Rating for Buffer Size 1024



2. Delay(in ms) vs Rating for Buffer Size 2048



3. Delay(in ms) vs Rating for Buffer Size 4096



On the bases of our observation for chart 3, we found out that a file i.e. b0.mp3 when played at the delay of 70ms to 100ms experienced packet loss and at 110ms delay packet loss was negligible. As we increased the delay from 110ms to 140ms we experienced pause between packets.

This observation holds true for any of the charts.