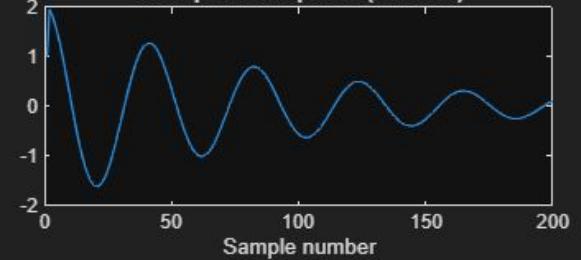
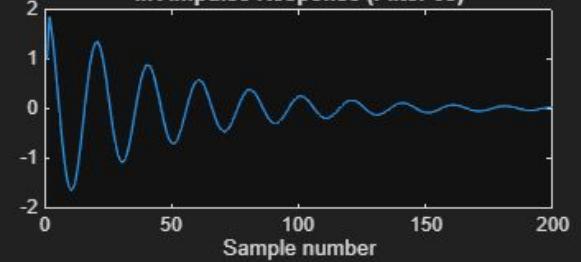
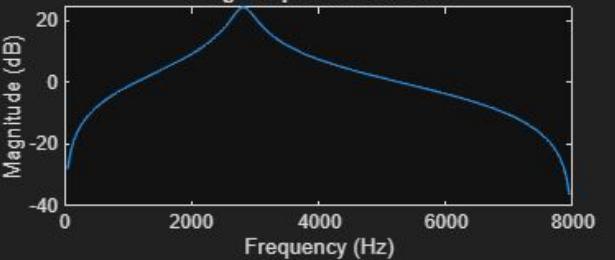
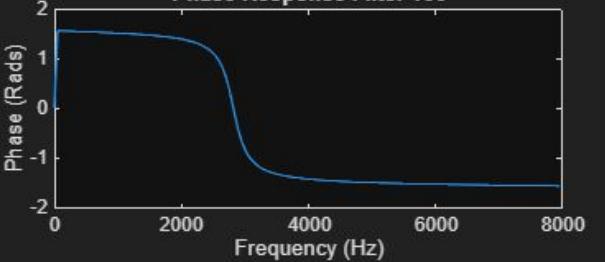
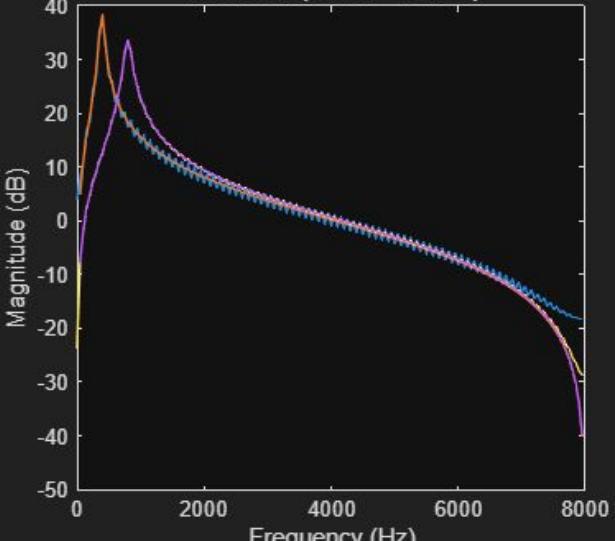
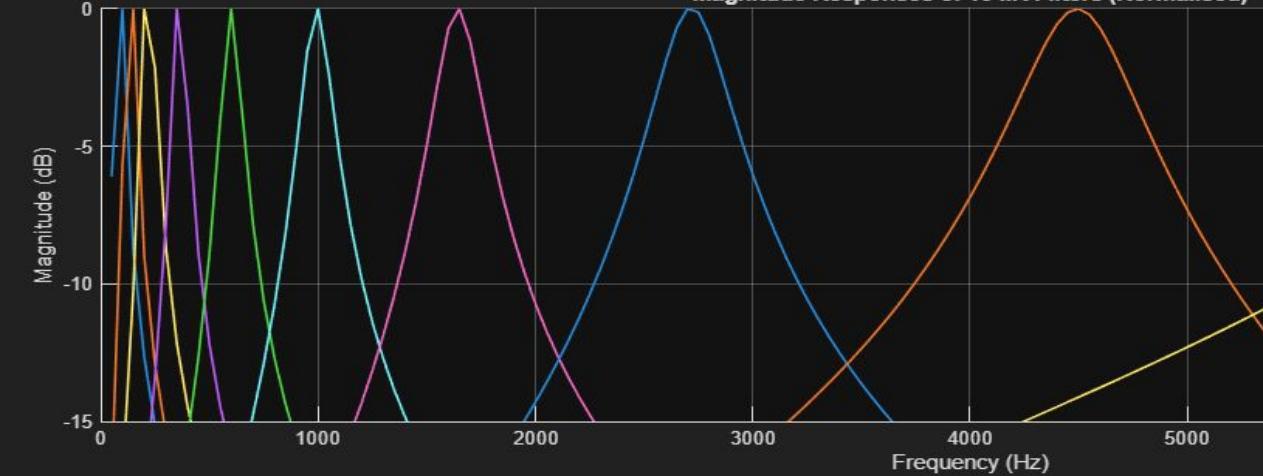


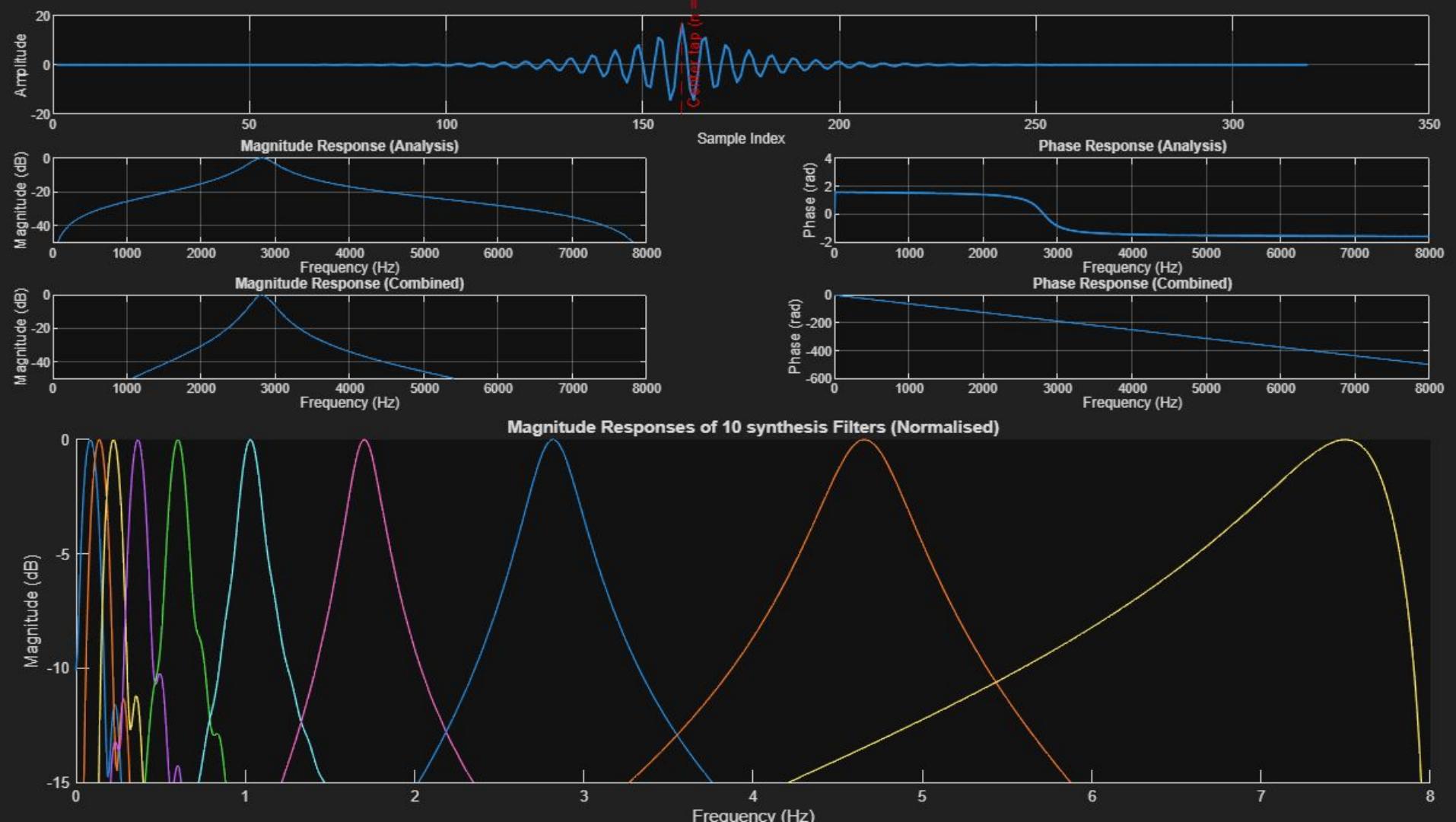
Elec3104 :(

Neil Tharol z5592479

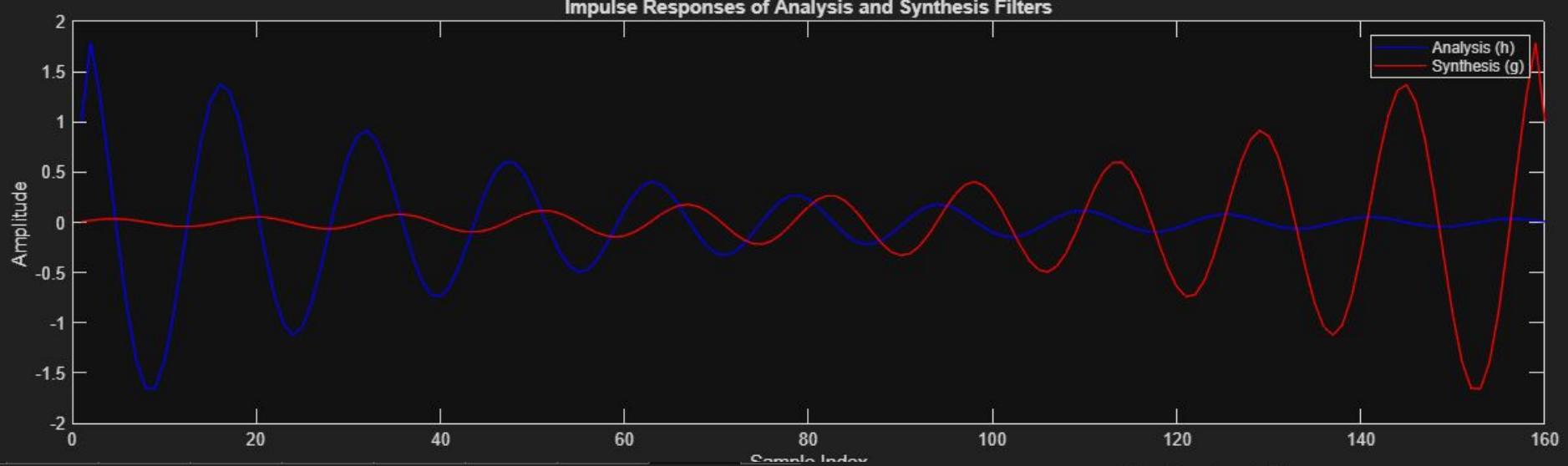
IIR Impulse Response (Filter 45)**IIR Impulse Response (Filter 65)****Mag Response Filter 100****Phase Response Filter 100****FIR vs IIR (Filters 45 & 65)****Magnitude Responses of 10 IIR Filters (Normalised)**

▲ □ ⊞ ⊞ ⊞ ⊞

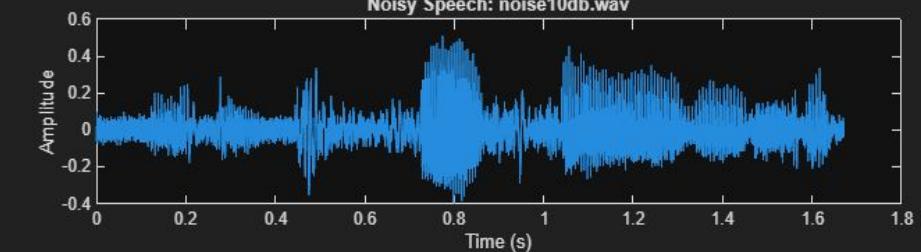
- 1
- 15
- 29
- 43
- 57
- 71
- 85
- 99
- 113
- 127



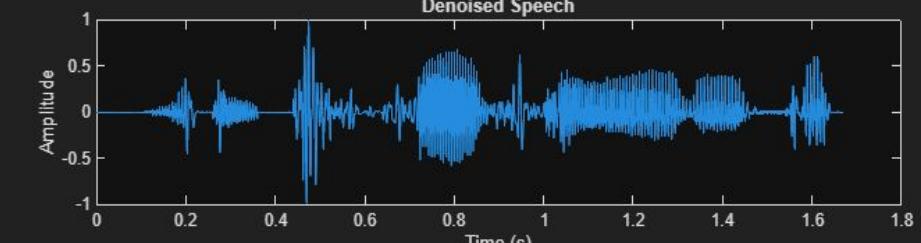
Impulse Responses of Analysis and Synthesis Filters



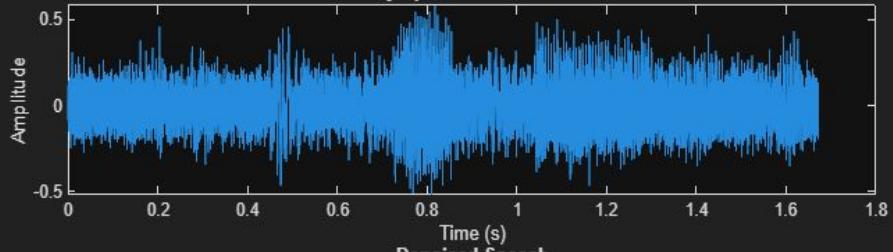
Noisy Speech: noise10db.wav



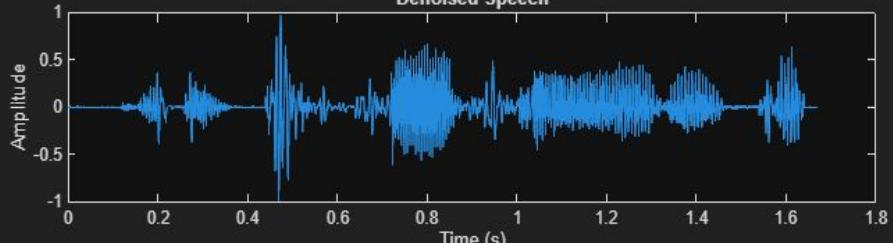
Denoised Speech

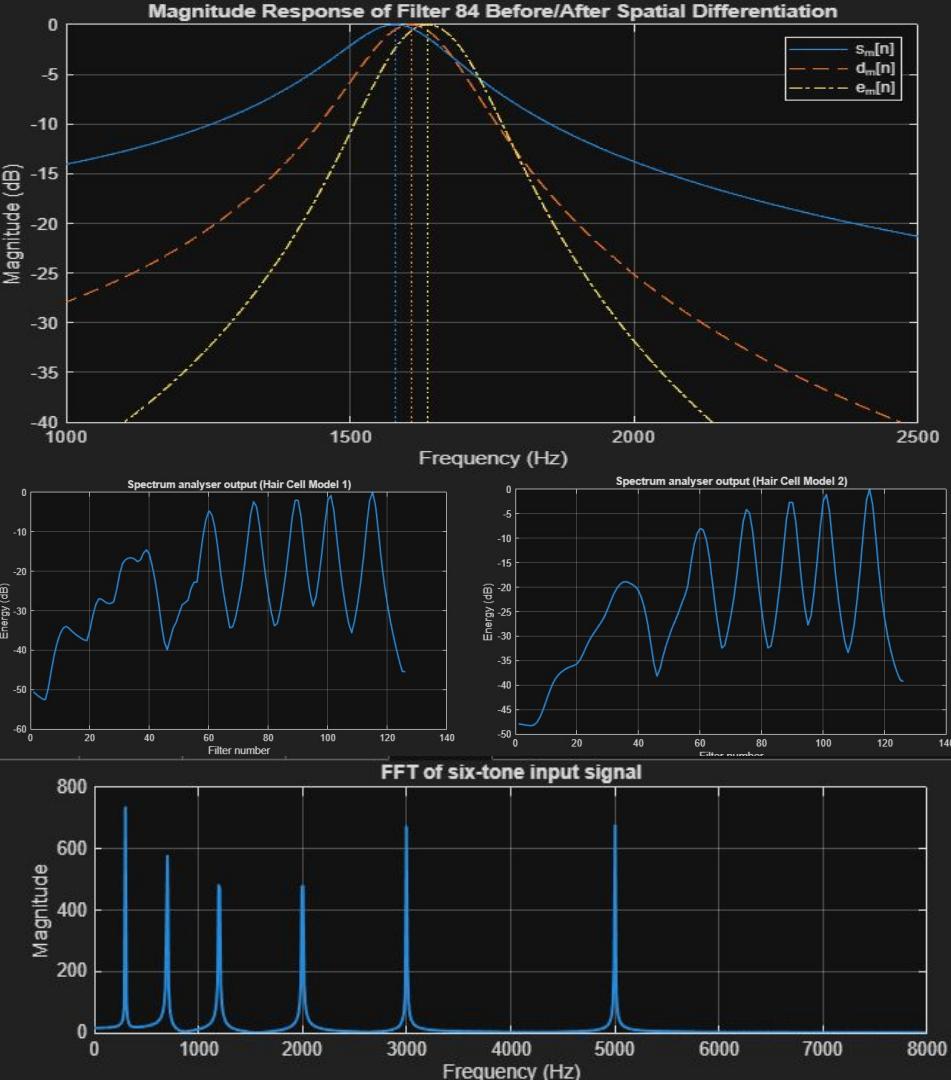
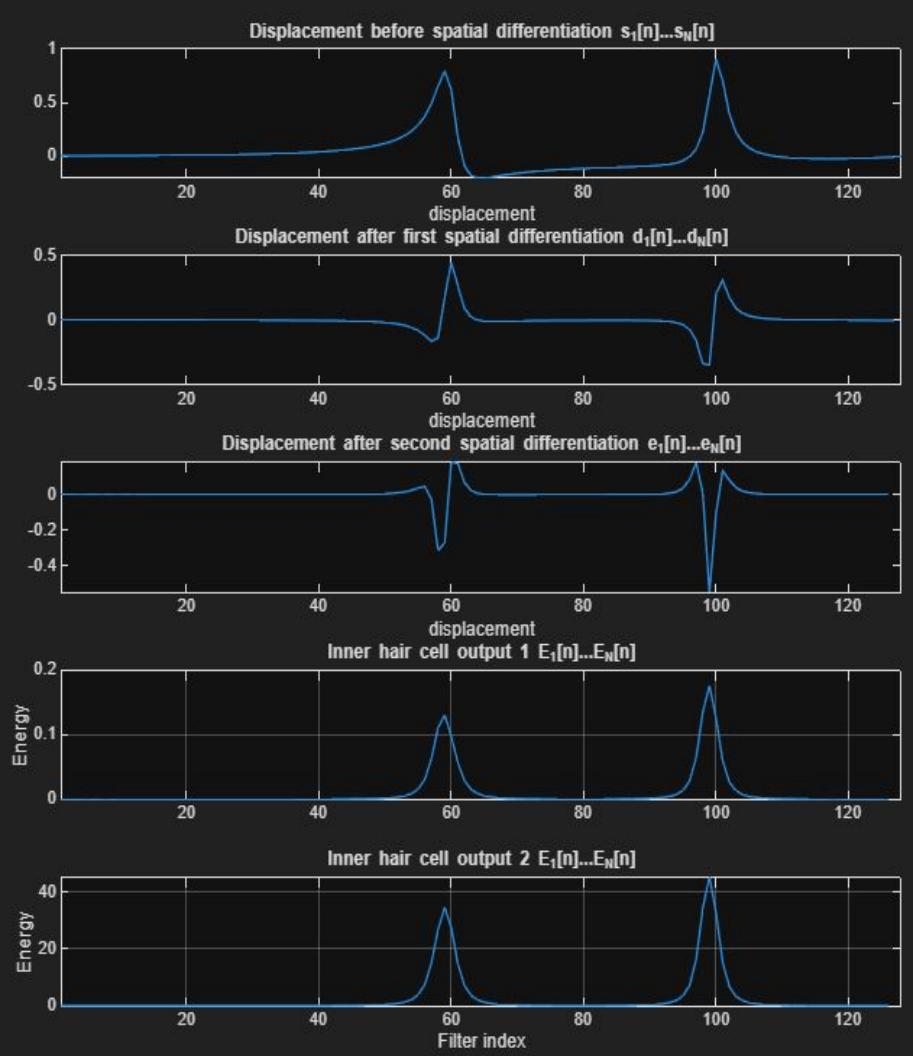


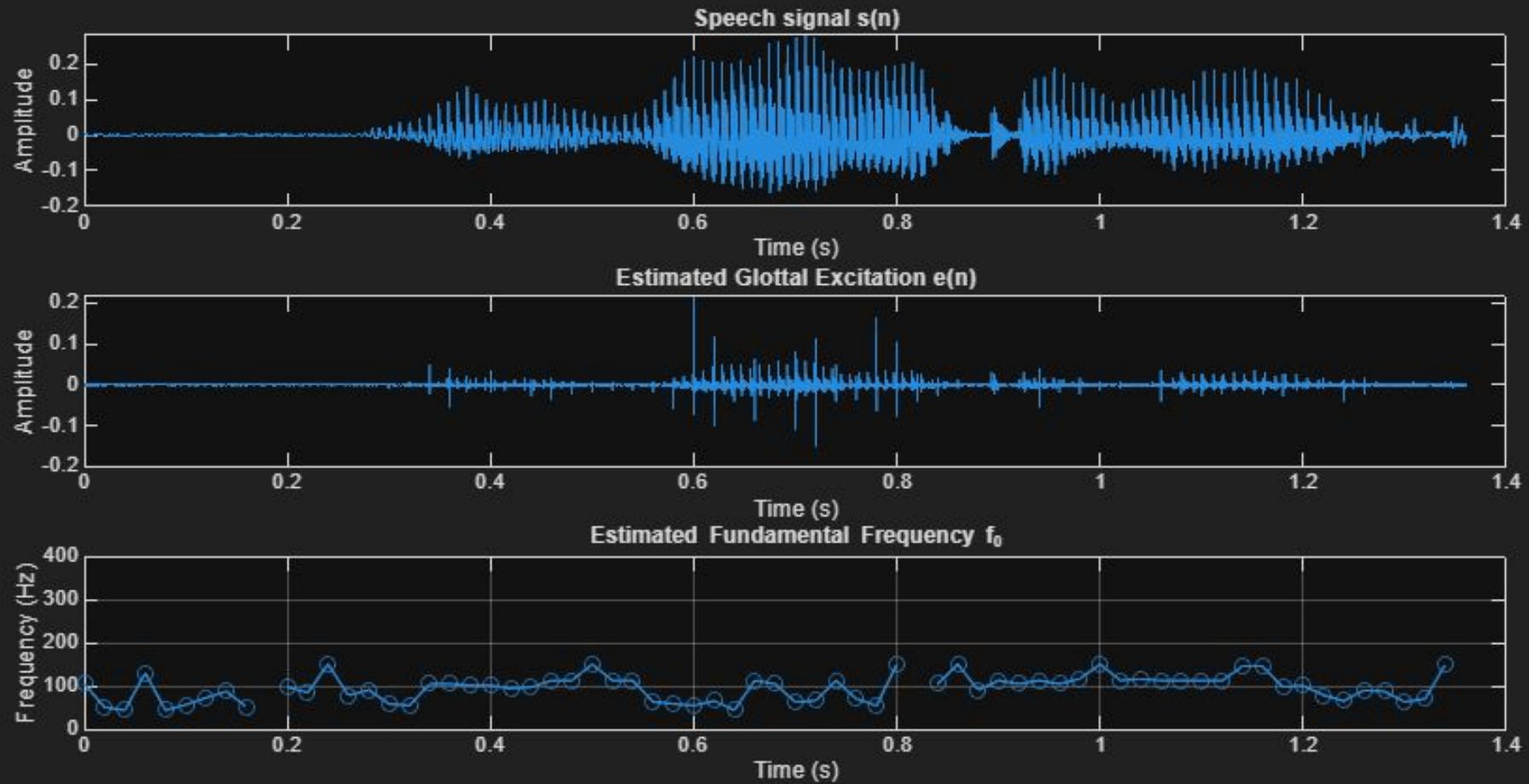
Noisy Speech: noise0db.wav



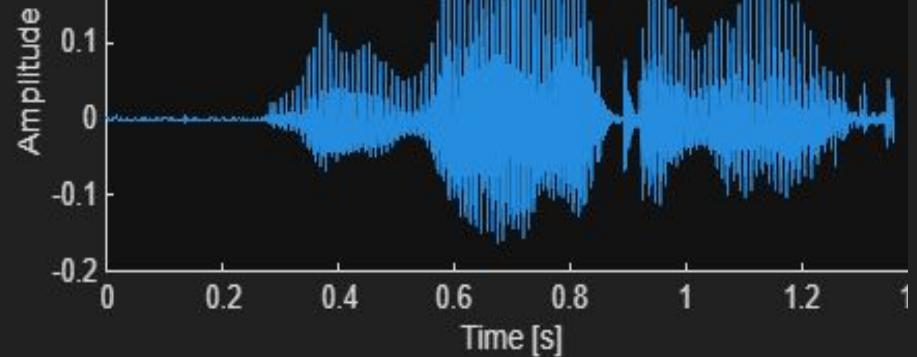
Denoised Speech



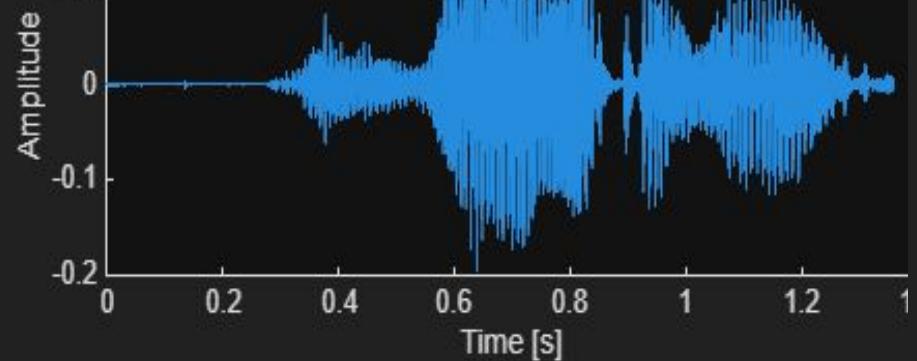




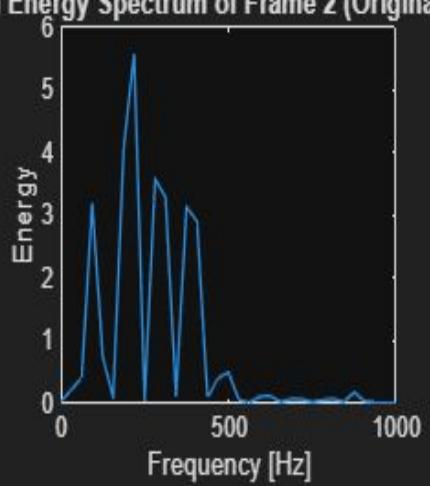
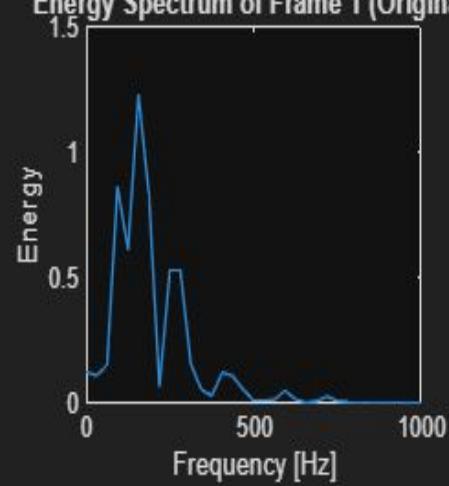
Original Speech $s(n)$



Filtered Speech (320 Hz - 7.5 kHz)



Energy Spectrum of Frame 1 (Original) Energy Spectrum of Frame 2 (Original)



Energy Spectrum of Frame 1 (Filtered) Energy Spectrum of Frame 2 (Filtered)

