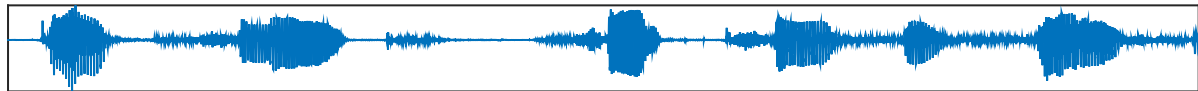
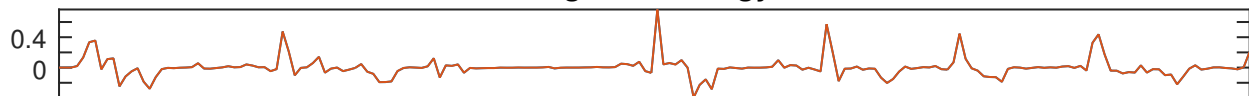


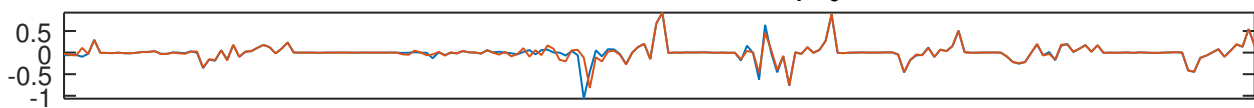
Speech signal



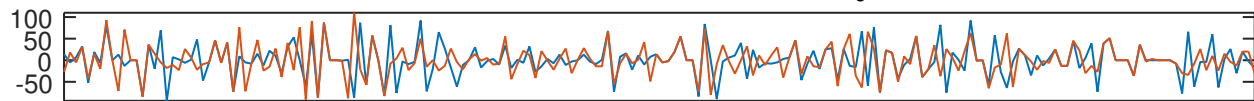
Signal Δ -energy



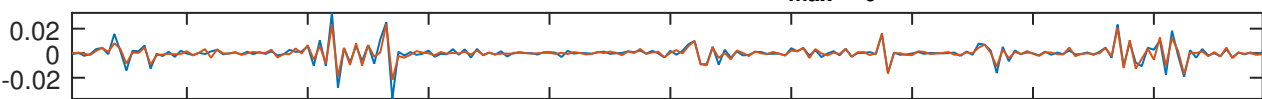
Signal Δ -correlation r_1/r_0



Δ -Fundamental frequency F_0



Δ -Cepstral peak size C_{\max}/C_0



Time (frame)