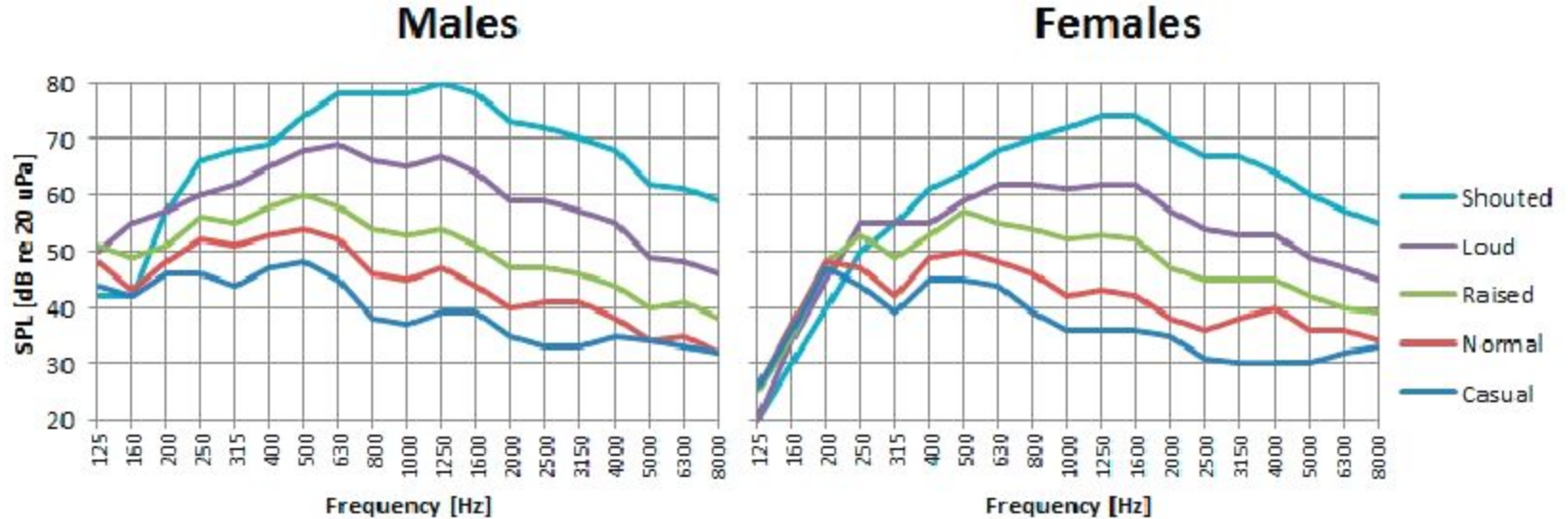


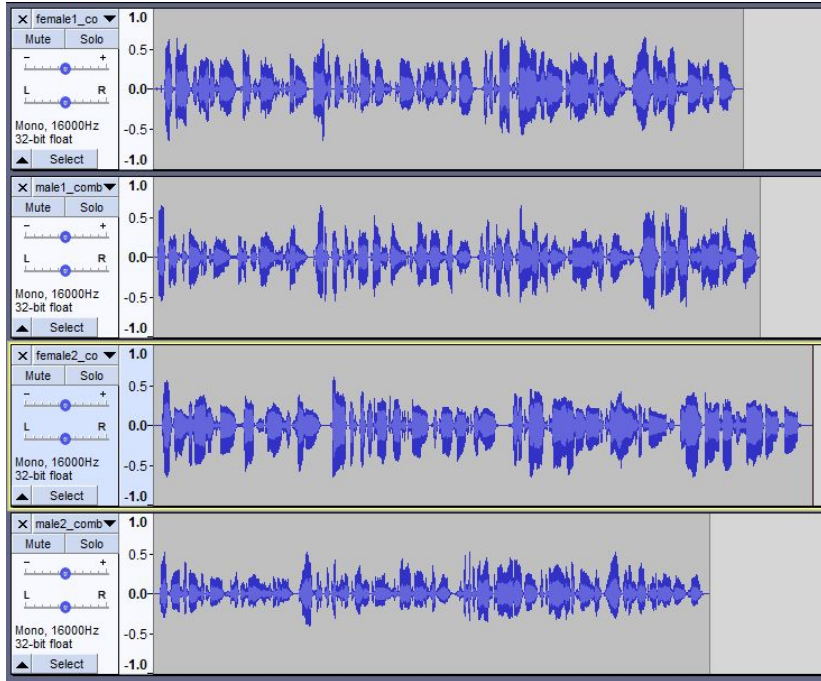
Ses İşleme Yöntemiyle Cinsiyet Ayrımının Gerçekleştirilmesi

Arda Tan GÖKER, Gizem BAKAN, Mustafa Oğuz ÖZCAN



Erkek - Kadın Ses Farklılıkları

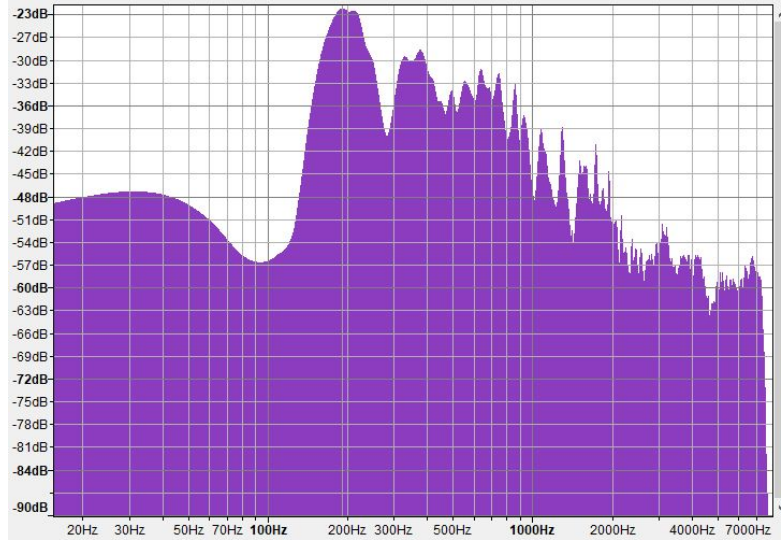




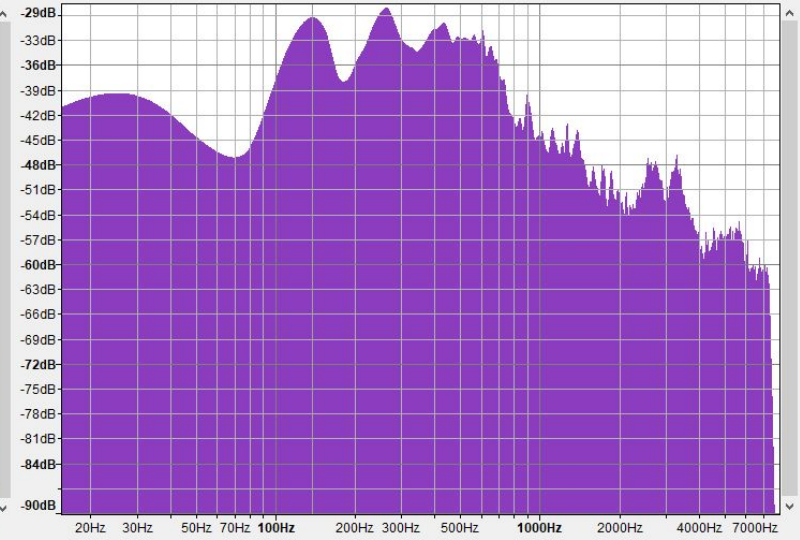
Analizlerde kullanılan örnekler;

- female1_comb.wav
- male1_comb.wav
- female2_comb.wav
- male2_comb.wav

Spektrum Analizleri

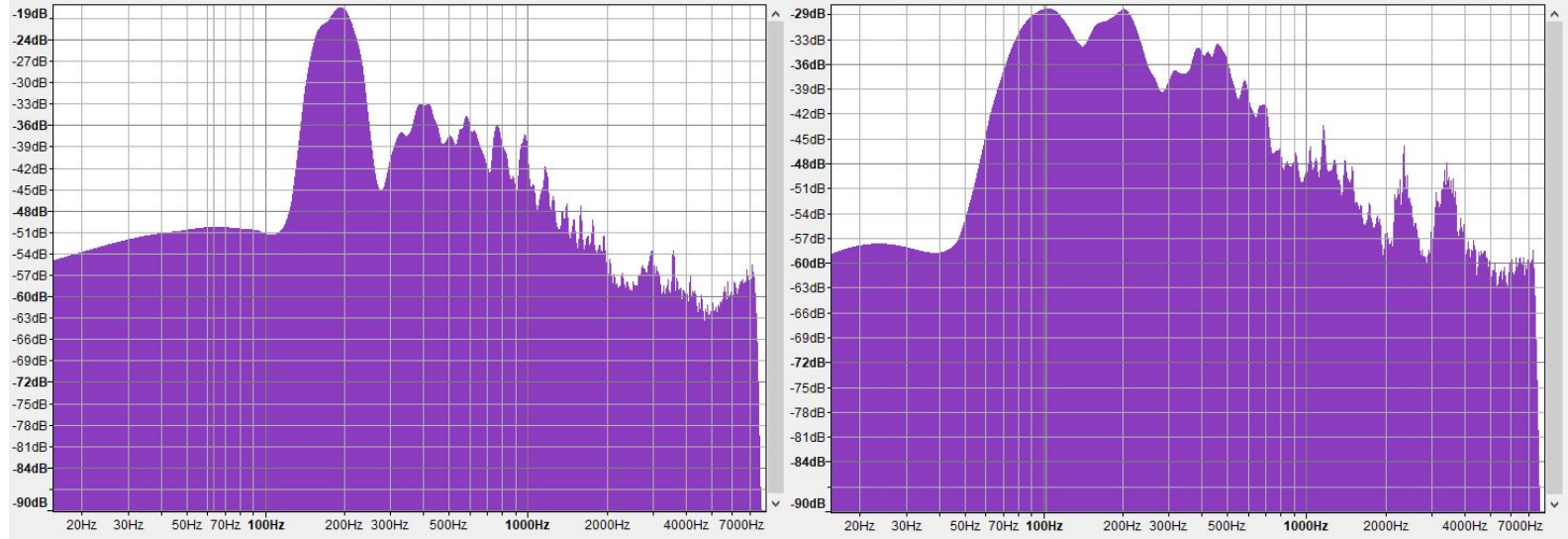


- female1_comb.wav



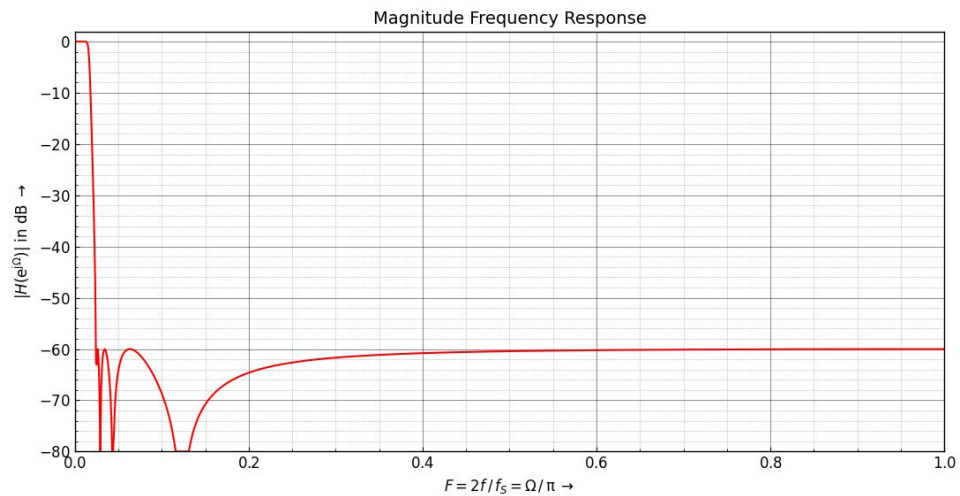
- male1_comb.wav

Spektrum Analizleri



- female2_comb.wav

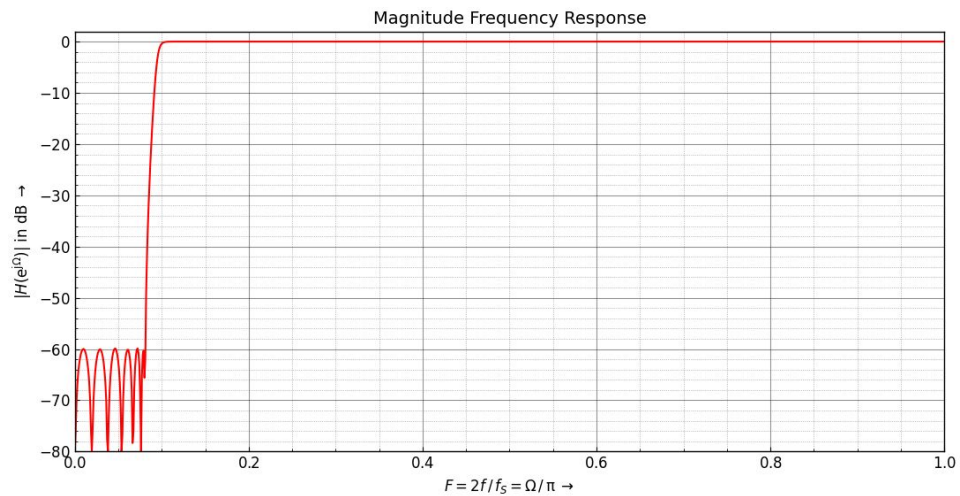
- male2_comb.wav



Alçak Geçiren Filtre

$$F_c = 0.0243\pi$$

Erkek ses kayıtları baz alınarak
tasarlandı

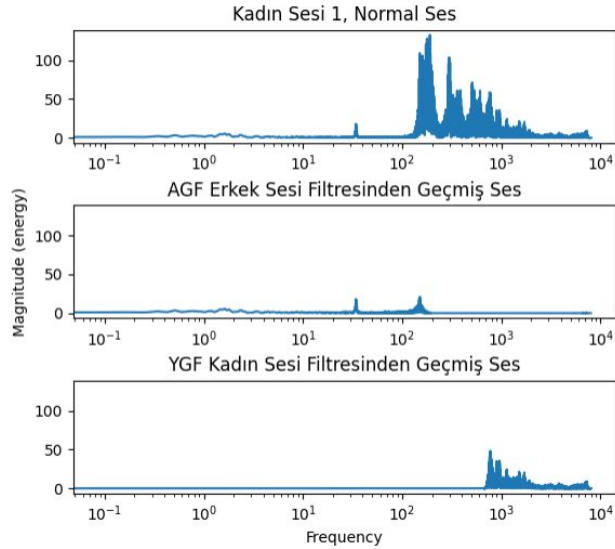


Yüksek Geçiren Filtre

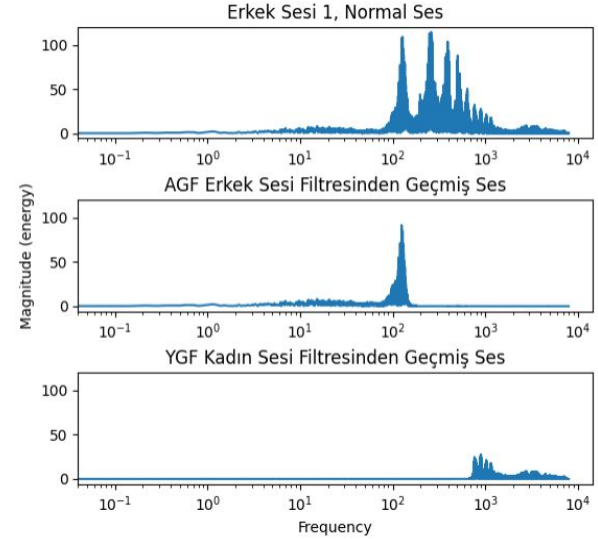
$$F_c = 0.0812\pi$$

Kadın ses kayıtları baz alınarak
tasarlandı

Filtrelenmiş Örnekler

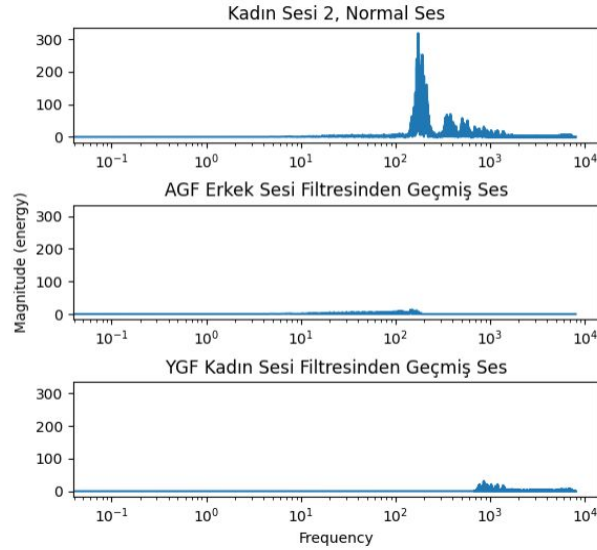


- female1_comb.wav

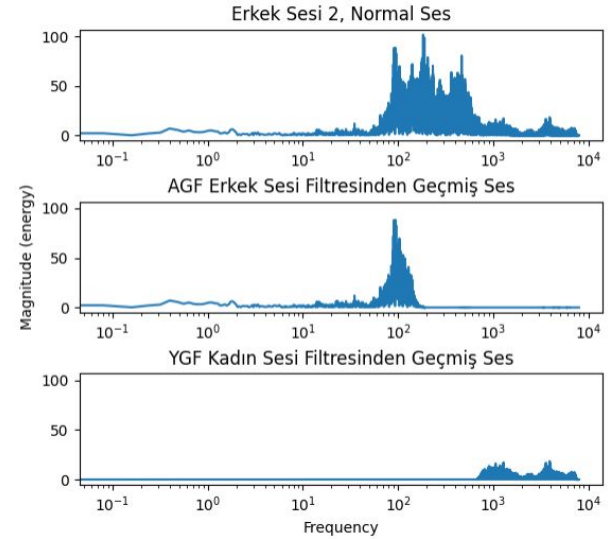


- male1_comb.wav

Filtrelenmiş Örnekler



- female2_comb.wav



- male2_comb.wav

