

Glides vs. Vowels

Liquids

Nasals

Sonorants

G. Moroz

27 May, 2017

Glides vs. Vowels

Glides vs. Vowels

Liquids

Nasals

- Periodic voicing
- Amplitude lower than in vowels
- Formants
- First Formant target is lower than vowels' First Formant target
- Open quotient (= First Harmonic - Second Harmonic) is lower for glides

Liquids

Glides vs. Vowels

Liquids

Nasals

- Periodic voicing
- Amplitude lower than in vowels
- Formants
- Wide average spacing of the formants

Nasal Stops Acoustics

Glides vs. Vowels

Liquids

Nasals

- Periodic voicing
- Amplitude lower than in vowels
- Formants
- Formants have broad bandwidths
- Low frequency first formant
- Less space between formants
- Higher formants have low amplitude
- Antiformants

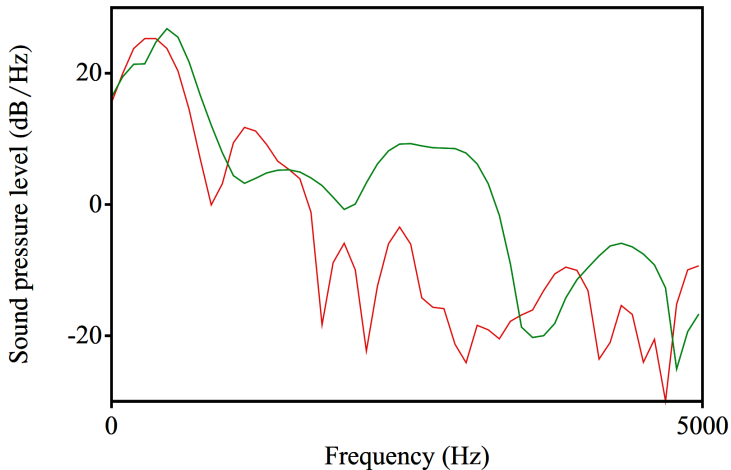
Nasal Stops Acoustics: Spectral Slices

Glides vs. Vowels

Liquids

Nasals

red - labial; green - alveolar



Nasal Stops Acoustics: Spectral Slices

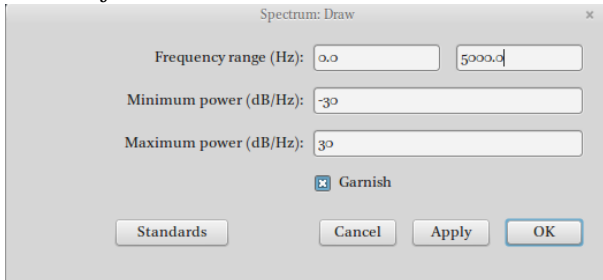
Glides vs. Vowels

Liquids

Nasals

- Praat Objects > Open Sound
- View & Edit
- Find the middle of nasals or **one cycle**
- Spectrum > View Spectrum slice
- Select Spectrum Slice object in Praat Object window
- Praat Objects > Draw...

Ctrl+L



- Spectrum > View Spectrum slice > Draw...

Thank you!

Please, don't hesitate to write me
agricolamz@gmail.com