

Lecture 3 Recap Questions

1. Describe the basic mechanism of speech production.
 - a. Speech signal is the result (convolution) of two phenomena; what are they?
 - b. Define (a) Pitch frequency and (b) Formants
2. Describe and illustrate,
 - a. An analysis window: definition, typical length, shift etc.
 - b. A power spectrum
 - c. A spectrogram
 - d. On power spectrum as well as on spectrogram, what are the typical properties of the speech signal that can be observed?
3. Describe a method for pitch frequency estimation based on,
 - a. Time domain processing
 - b. Frequency domain processing