

Automatic data processing with Praat

Deadline: 23.01.2008

6 Exercise

1. Write a script that stores all settings listed by `Picture info` in appropriate variables.
2. Write a script that draws a selected `TextGrid` into the viewport. Do *not* use Praat's built-in `Draw...` command! Scale the axes appropriately (number of tiers and time range) and paint all intervals with empty labels 10% gray (use 0.9 as the "color").
3. Write a script that draws a selected `Sound` in the top third of the viewport, the `Sound's Spectrogram` (standard settings) into the middle third of the viewport, and the selected `TextGrid` into the bottom third.
Use procedures to separate the viewport selection code from the object selection and drawing. Also use the script from number 2. to draw the `TextGrid`, and the one from 1. to reset the `Picture` window to the same settings as before.
4. Expand the last script to also draw the pulses (extract them from the `Sound` as a `PointProcess` using the command `To PointProcess (periodic, cc)...`) in `Blue` over the waveform, and the `Formants` (`Red`) and `Pitch` (`Cyan/Blue`) over the Spectrogram.

The final result should look like this:

