

Java Speech Tools (Office Laptop Notes)

Audio Set up

Works best with the Logitech USB mic, press button on base of mic if green light is not on.

start->Control Panel->Sounds,Speech ->Sounds and Audio Devices

Audio TAB / Sound recording --- Default device: AK370

Capture Volume: Set to about 2 notches down from full (you may want to adjust this later if levels are wrong).

Audio Output Volume is best muted/turned off.

Running The Program

Double click JavaSpeechTools on the desktop



Left frame: Shows example vocal track and lip shapes for the vowels.

Top Middle: Shows the shape and vowel sound the program thinks you are uttering.

It attempts to interpolate the shape based on the vowel classification.

Top Right: Raw spectral data. This is the data that is fed into the neural net

Bottom: Output of the neural net classification

If Spectrogram window is clipping a lot adjust the volume.

Program should give you feedback for vowel sounds.

Example words:

UHH: burn

OOH: blue

AHH: Father

ERR: Great

EGH: Red

EEE: Reed