Audio – Feature extraction

Goal: find those properties of the digitised and pre-processed acoustic signal that are characteristic for emotions and to represent them in a n-dimensional feature vector.
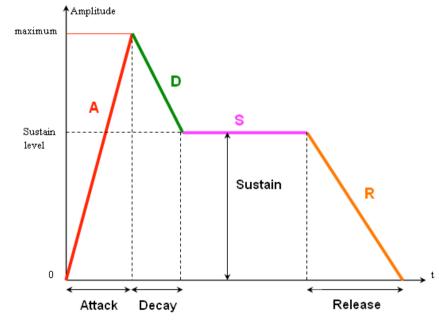
Features: Pitch and energy related features (e.g. short time energy, maximum amplitude, average of the n largest amplitudes, ADSR model, etc.)
Durational and pause related features
Types of voice quality features.

http://en.wikiaudio.org/ADSR_envelope