

Multimedia Technology Programming

Medialogy 7th Semester (Aalborg)

Java Sound API

Exercises

Read the following web page which explains how to process audio with Controls in the Java Sound API:

http://download.oracle.com/javase/1.5.0/docs/guide/sound/programmer_guide/chapter6.html

Now modify the Example01Player.java program to do the following:

1. List all the controls available on the SourceDataLine object.
2. Find the maximum and minimum values of each control.
3. Get the input audio file to play entirely on the left side and then entirely on the right side.
4. Increase and decrease the overall volume of the playback. (WARNING! Make sure you find out the current values of the MASTER_GAIN first and do not set the value too high!)
5. Decrease the pitch by 1 octave and halve the speed (HINT: Use a sample rate control!)