

## Project 3:

The file 'flute.wav' contains a detail of a flute performance recorded in a noisy environment in standard .wav file format.

- a) Determine the spectrum of the recorded sound.
- b) Determine the autocorrelation function of the recorded sound.
- c) What was the sampling frequency of the microphone signal?

Use the 'audioread' command to read .wav files!

### Requirements:

1. Describe the process of solving each task in separate document files together with the obtained results!
2. Make m-scripts to solve each task!
3. Pack the document files and m-scripts in the file "X\_Y.zip" and send it to the address "bertam@sze.hu"! (X=last name, Y=first name - without accents) The subject of the letter should be "Project 3."!