



MATLAB

PSOLA

Exercise 1

Write a simplified version of PSOLA algorithm

- Load the `A String.wav` file and play it
- Detect its fundamental period T_a through Fourier analysis
- Using Hann window and a pitch-scaling factor $\alpha=0.9$ synthesize a pitch scaled version of the track by moving windows of signals spaced by T_a of $T_a \cdot \alpha$
- Play the obtained signal