

Lab 6

*School of Architecture, Civil and
Environmental Engineering*

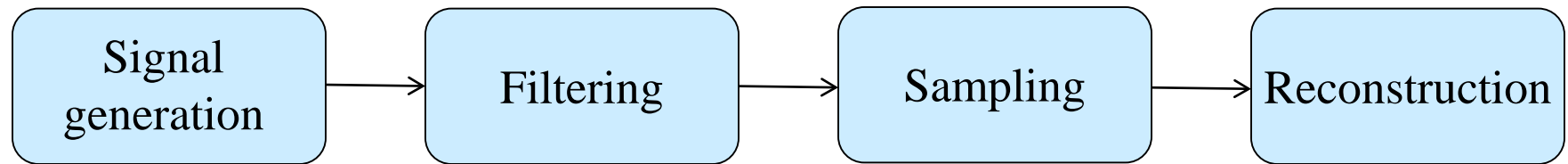
EPFL, SS 2018-2019

http://disal.epfl.ch/teaching/signals_instruments_systems/

Lab 6 Outline

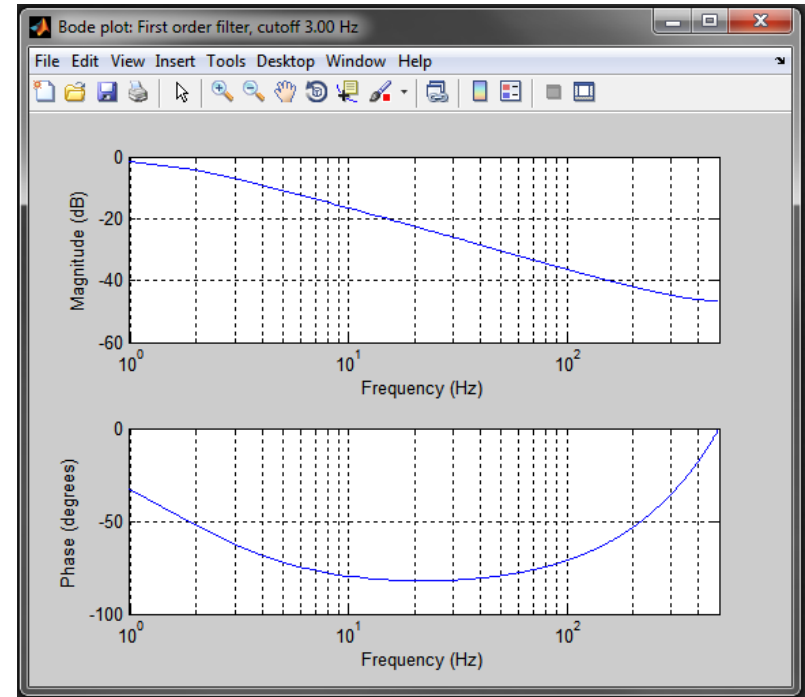
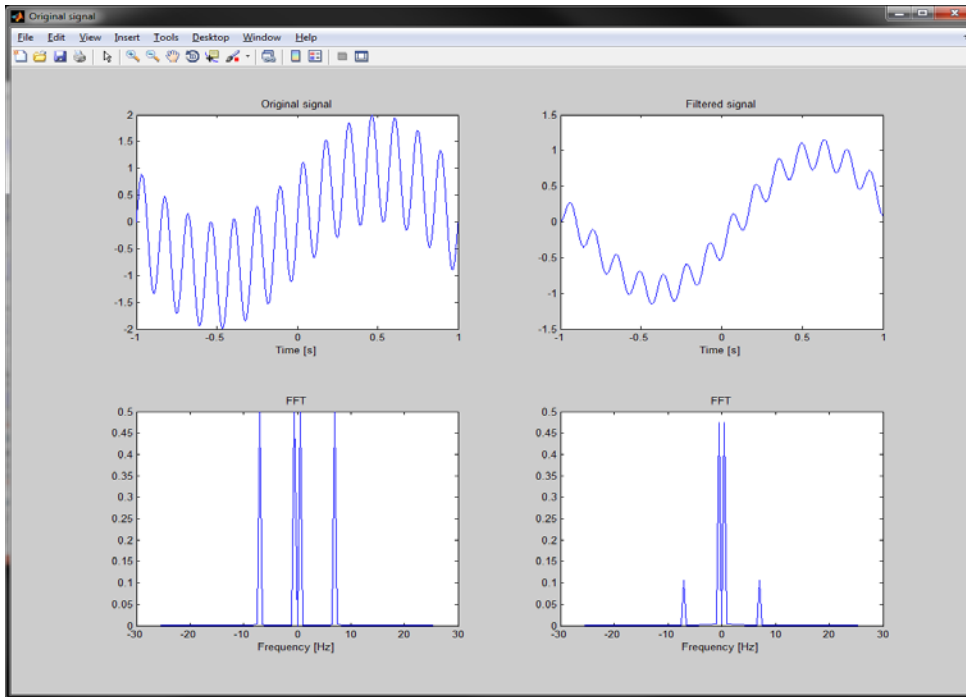
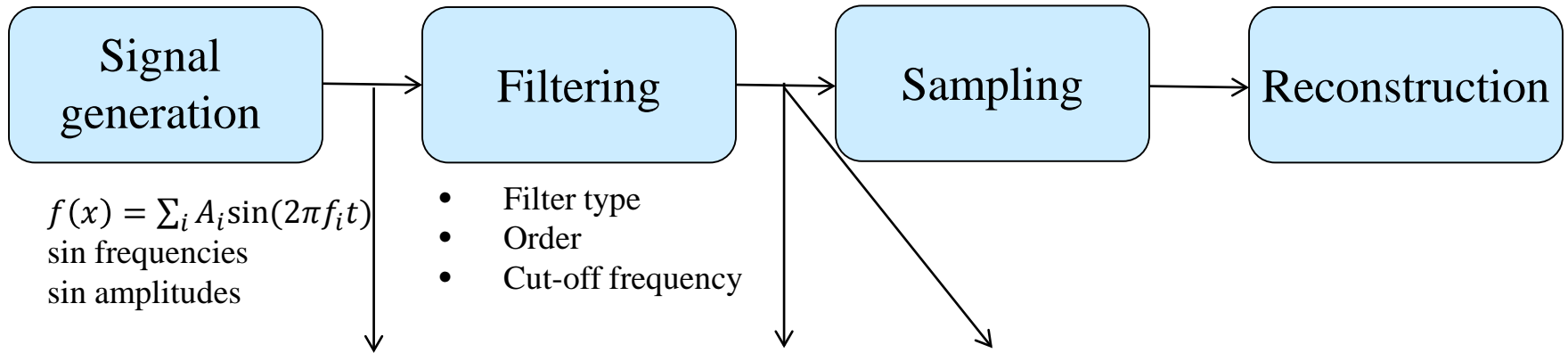
- Concepts:
 - (Fast Fourier transforms)
 - Filtering
- Tools:
 - Matlab

Part 1: Filters



- $f(t) = \sum_i A_i \sin(2\pi f_i t)$
- sin frequencies
- sin amplitudes

- Filter type
- Order
- Cut-off frequency



Part 2: Sound / Voice Signal & Filters

