

Meeting notes 27.12.2024

Work done:

Lars:

- semi full OTA design in XSchem

Priyanka:

- full fledged OTA design in XSchem

Miko:

- Decimator overview
- Decimator spectrum figures in MatLab

Work to be done

Lars:

- Further OTA design
- Analysis of noise transfer in MatLab
- Documentation of MatLab behavioural

Priyanka:

- Further OTA design with more complex Opamp
- including noise

Miko:

- Decimation MatLab
- Documentation template

Questions and problems

- What is the actual input to the ADC, what does the accelerometer output?
- Inclusion of PCB level analysis in presentation?
- Evaluation of lab hardware (acc, adc)
- ADC converts analog input signal to digital without loss of information due to nyquist theorem, so that the ADC output over time is the accelerometer output