

Weekly Meeting Report

Ole Einar Kværnsveen Belboe
Elias Loe Eritsland
Admir Meta

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1 Meeting overview

In this meeting, the parameter estimation script for the discrete-time system was presented. Roya (supervisor) helped with the derivation of the model. Additionally, noise reduction was discussed in the hardware.

The hardware design has been overhauled from the electronics side. Elias discovered an issue with the op-amps when implementing the other fingers in the model, which necessitates the use of four opamps instead of two. This modification is expected to be finalized within the day.

Additionally, the group has managed to read the entirety of the Kalman filter design notebook. Note that the extended Kalman filter and the unscented Kalman filter have not been read, since they were deemed unnecessary for the project.

1.1 Conclusions from the meeting

- Parameter estimation script for the discrete-time system was presented.
- The electronics have been overhauled due to an issue with the op-amps when extending the model.
- Reading on the Kalman filter is finished. The unscented Kalman filter and the extended Kalman filter have not been read.