

Weekly Meeting Report

Ole Einar Kværnsveen Belboe
Elias Loe Eritsland
Admir Meta

April 17th 2023

1 Meeting overview

In this meeting, the parameter estimation script for the discrete-time system was analyzed step by step by the group and Roxy (external supervisor). It was decided that the estimation algorithm is inadequate. The expectation-maximization algorithm was proposed instead as a substitute. The group will study the algorithm during this week.

The hardware design has been modified from the last meeting. Measurements from all four fingers can now be logged.

The implementation of the Kalman filter has started. A draft is expected to be ready within the next week.

Additionally, the first draft of the report has been created, and some of the theory behind the project has been written.

1.1 Conclusions from the meeting

- Parameter estimation script for the discrete-time system was analyzed. The expectation-maximization algorithm was introduced as an alternative.
- The electronics have been modified. We can now measure all four fingers.
- The implementation of the Kalman filter has started.
- The first draft of the report has been created, and work has started on the report.