

Weekly Report

Battery Management Systems

Week: 07/04/2014 to 11/04/2014

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WORK DONE

- Identifying and correcting an error in the linearization of the function y_k .
- Test zero current (the results correspond to expected, the filter converges);

DIFFICULTIES

- The filter converges initially, but over the past iterations doesn't. The problem may be related to the derivative of output function in order to state.

MEETINGS WITH ADIVOR AND FUTURE WORK

- Were discussed several ways to make the filter converges. Including modification of covariance matrices.
- Work for next week: try to fix the cause of the divergence.