Online State-of-Health Estimation for Li-Ion Battery Using Partial Charging Segment Based on Support Vector Machine

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What did the authors try to accomplish?

- online SoH estimation using SVMs
- initial support vectors reflect the intrinsic characteristics of the Li-ion battery

What were the key elements of the approach?

- uses partial charging segment under constant current charging to calibrate the battery capacity

- SVM used to capture the characteristics of the battery charging curves at different SoHs
- SoH is defined as the difference between the features of the meaured data and the stored SVM model

What parts can you use yourself?

- SoH estimation

What other references do you want to follow?