

# Falstad Simulations

## Student Group

First Name	Surname	Matrikel Nr.

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# Falstad Simulations

## capacitic-ohmic Behaviour of a Wire

## Photo-Diode

## Timer Counter Simulation

## Up/Down Counter

## Battery Simulation

Fitting SOC-U curve <https://iopscience.iop.org/article/10.1088/1742-6596/1325/1/012173/pdf>

With the possibility to automatize:

## four nodes with turn-off

## Buck Converter

# instantaneous power and impedance adaptation

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