

# Falstad Simulations

## Student Group

First Name	Surname	Matrikel Nr.

## Table of Contents

- Falstad Simulations** ..... 2
- capacitic-ohmic Behaviour of a Wire* ..... 2
- Photo-Diode* ..... 2
- Timer Counter Simulation* ..... 2
- Up/Down Counter* ..... 2
- Battery Simulation* ..... 2
- four nodes with turn-off* ..... 2
- Buck Converter* ..... 2

# 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

From:

<https://first.mexle.te.hs-heilbronn.de/> - MEXLE Wiki

Permanent link:

[https://first.mexle.te.hs-heilbronn.de/falstad\\_simulations?rev=1761749311](https://first.mexle.te.hs-heilbronn.de/falstad_simulations?rev=1761749311)

Last update: **2025/10/29 15:48**

