

# sidebar

## Student Group

First Name	Surname	Matrikel Nr.

## Table of Contents

## Content Constants Calc

## EEE1 - Electrical Engineering and Electronics 1

### Introduction in EE1

#### Direct Current Circuits

- 1 Preparation & Proportions
- 2 Simple Circuits
- 3 Sources and Networks
- 4 Network Analysis
- 5 DC Circuit Transients

#### Alternating Current Circuits

- 6 Introduction in AC
- 7 Circuits on AC



Charge on electron (e)	$1.60217634 \times 10^{-19} \text{ C}$
Avogadro's number (NA)	$6.022142 \times 10^{23} \text{ 1/mol}$
Permeability of vacuum $\mu_0$	$12.566370614 \times 10^{-7} \text{ Vs/Am}$ $4\pi \times 10^{-7} \text{ Vs/Am}$
Permittivity of vacuum $\epsilon_0$	$8.854187817 \times 10^{-12} \text{ As/Vm}$

From:

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

Permanent link:

[https://first.mexle.te.hs-heilbronn.de/electrical\\_engineering\\_and\\_electronics\\_1/sidebar?rev=1758274856](https://first.mexle.te.hs-heilbronn.de/electrical_engineering_and_electronics_1/sidebar?rev=1758274856)

Last update: **2025/09/19 11:40**

