

sidebar

Student Group

First Name	Surname	Matrikel Nr.

Table of Contents

Content Constants Calc

EEE2 - Electrical Engineering and Electronics 2

Introduction in EEE1

Chapter 1 – Switching in DC networks

Block 01 – (Dis)Charging RC elements

Chapter 2 – AC Networks

(based on [Intro to AC](#) and [AC circuits](#))

Block 02 – Sinusoidal quantities and L, C in AC

Block 03 – Complex calculation

Block 04 – Complex Power

Block 06 – Oscillating circuits

Block 08 – Magnetically coupled coils

Chapter 3 – Semiconductor Components

(based on [Diodes](#) and [Transistors](#))

Block 11 – Semicond. Fundamentals, Diodes

Block 12 – Application of Diodes

Block 13 – Transistors

Block 14 – Application of Transistors



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 μ_0	$12.566370614 \times 10^{-7} \text{ Vs/Am}$ $4\pi \times 10^{-7} \text{ Vs/Am}$
Permittivity of vacuum ϵ_0	$8.854187817 \times 10^{-12} \text{ As/Vm}$

From:

<https://wiki.mexle.org/> - MEXLE Wiki

Permanent link:

https://wiki.mexle.org/electrical_engineering_and_electronics_2/sidebar?rev=1775885232

Last update: 2026/04/11 07:27



