

block04

Student Group

First Name	Surname	Matrikel Nr.

Table of Contents

TBD

1. Representation of sinusoidal quantities
2. Example: RC element
3. Capacitor with alternating voltage
4. Coil with alternating voltage
5. Complex calculation of networks with R, L, C ("recipe" for procedure)
6. Graphical solution of networks with R, L, C (RC element, RL element)
7. Power (effective value, power factor, active/apparent/reactive power, loss factor, loss angle)
8. Components R, L, C with alternating current
9. Reactive power compensation
10. Oscillating circuits

From:

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

Permanent link:

https://first.mexle.te.hs-heilbronn.de/electrical_engineering_and_electronics_2/block04

Last update: **2026/03/03 05:35**

