

Schedule of the lecture Power System Dynamics

room: building 16 – room 215

time: Tuesday, 1:15 pm to 2:45 pm

lecturer: Prof. Dr.-Ing. habil. Martin Wolter

content:

- Grid equations in modal components for power system dynamic calculations
- Numerical solutions of initial value problems in power systems
- Different methods and models for power system dynamics
- Application of Matlab for power system dynamics

Nr.	Datum	Thema
1	08.04.2025	- no lecture -
2	15.04.2025	- no lecture -
3	22.04.2025	- no lecture -
4	29.04.2025	Introduction to Power System Dynamics
5	06.05.2025	Modal components
6	13.05.2025	Numerical solutions of ordinary differential equations
7	20.05.2025	Grid equations in state space
8	27.05.2025	Matlab seminar
9	03.06.2025	Modeling of equipment I
10	10.06.2025	Modeling of equipment II
11	17.06.2025	Extended nodal approach
12	24.06.2025	Differential conductance method I
13	01.07.2025	Differential conductance method II
14	08.07.2025	Repetition and exam preparation