Matlab examples

Chapter 2.: **EM wave propagation**

- Fresnel diffraction: fresnel.zip
- General diffraction: gen_diffra.zip
- Layered media: layers.zip

Chapter 3.: **Transmission lines**

- Waveguides: waveguide.zip
- Microstrips: microstrip.zip

Chapter 4.: **Antennas**

- Wire dipole: dipol.zip
- Mutual impedance: impedace.zip
- Yagi antenna: yagi.zip
- Microstrip dipole: m_dipol.zip
- Microstrip antenna: rpatch1.m
- Multiband patch antenna: patchant.m
- Planar ultra wideband antenna: U_antena.m

Chapter 5.: **Time-domain modeling of antennas**

- Drátový dipól: Implicit_EN.m

Chapter 6.: **Selective surfaces**

- Analysis of FSS: FSS_en.zip

Chapter 7.: **Radio optics**

- Gaussian beam: gauss.zip