

Nonlocal and quantum model of the response of a metallic nanostructure

úterý 3. září 2024 15:55 (25 minut)

The focus of advanced simulations of the interaction between plasmonic nanostructures and electromagnetic waves is on phenomena associated with nanostructures with dimensions on the order of nanometers. From this perspective, the nonlocal response of the material is crucial. Quantum properties of the electron gas may also become significant, especially near the interface. An example is surface-enhanced attenuation. In our contribution, these topics will be briefly discussed.

Hlavní autor: BURDA, Milan (Katedra laserové fyziky a fotoniky (KLFF))

Přednášející: BURDA, Milan (Katedra laserové fyziky a fotoniky (KLFF))

Zařazení sekce: Simulations and modelling