

Metal-Semiconductor Contacts

Objective: Basics of contacts behavior

Outline:

1. Energy-band diagrams – built-in potential
2. Electrostatics: depletion width
3. Depletion capacitance
4. I-V characteristics
5. Ohmic contacts

Reading: 6.1 – 6.6

Homework: 6.1, 6.2, 6.4, 6.7, 6.9, 6.10

Due: November 7, Tuesday