

## **Electrostatics of P-N Junction**

**Objective:** Review elements of modeling

**Outline:**

1. Potential and carrier concentration
2. Built-in voltage
3. Depletion width
4. Quasi-Fermi levels

Reading: 4.4, 4.5, 4.6.1

Homework: 4.13, 4.14 a-g, 4.1.7, 4.20, 4.24, 4.25