P-N Junction with D-C Bias

Objective: Discussion of characteristic quantities

Outline: 1. Review of relations
2. Concept of “charge control”
3. Fabrication of junctions
4. Representative junction profiles

Reading: 4.7.2, 4.7.3, 4.7.5
(Homework: 4.27, 4.29, 4.31, 4.32 + 3 Study Problems (handout))
Due: Oct. 18, 2005 (Tuesday)

Extra meeting: Saturday, Oct. 15, 9:30 – 10:45 AM, ECE 512