

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