MASSACHUSETTS INSTITUTE OF TECHNOLOGY
Department of Electrical Engineering and Computer Science

6.012
Microelectronic Devices and Circuits

Fall 1999
October 29,1999 - Homework 6
Due November 5, 1999

Reading: Chapter 6 Section 6.1 - 6.5

Note: Unless given in the problem statement, the diffusion coefficients should be found using the Einstein Relation (Eq. (2.51) and mobility from Fig. 2.8.

1. Howe & Sodini E6.3
2. Howe & Sodini E6.5
3. Howe & Sodini E6.9
4. Howe & Sodini E6.16
5. Howe & Sodini P6.10