Homework #3 - due Tuesday, 30 September 2008, at the beginning of class


2. Problem 3.3, p. 111 of Streetman-Banerjee, 6th edition. Hint: assume that all of the donors are ionized at 300 K, so that \( n = N_D \). In fact, this may not be the case for the given value of \( E_C - E_D = 0.2 \) eV, which is relatively much larger than the thermal energy \( k_B T \).

3. Problem 3.7(a) only, p. 112 of Streetman-Banerjee, 6th edition.


Homework assignments will appear on the web at:
http://www.ece.udel.edu/~kolodzey/courses/eleg340f08.html

Note: On each homework and report submission, please give your name, the due date, assignment number and the course number.