EECS 215: Introduction to Electronic Circuits WN 2010
Problem Set 2

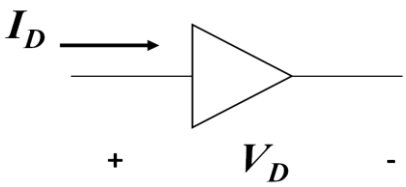
Issued: 1/15/10

Due: 1/22/10, 9:30 AM

U&M refers to a problem from Ulaby and Maharbiz.

Problems:

1.
    a. U&M2.52 as stated
    b. Get the "exact" answers (to 4 significant figures) assuming that all three diodes are identical and that the diode current follows the ideal diode equation with the following parameters:



$$I_D = I_0\left(e^{V_D/V_{th}} - 1\right)$$
$$with:$$
$$I_0 = 10^{-14}A$$
$$V_{th} = 25.85mV$$

2. U&M 2.57 (Multisim Problem)
   Nodal Analysis Problems:
3. U&M 3.1
4. U&M 3.7
5. U&M 3.9
6. U&M 3.16
7. U&M 3.20