EE 230 - HW 4.7

Name

The circuit below uses 4 different diodes — one standard silicon (D_1) and 3 LEDs of different colors. Since the LEDs are made with different semiconductors, they have different "on" voltages. The on voltages for the three LEDs are 1.25 V for D_2 (red), 2.5 V for D_3 (green), and 3.25 V for D_4 (white). As with the silicon diode, the LEDs can be treated as being off if there is less than the "on" voltage available, and they will have the given voltage drops when they are on and conducting current.

