

Homework 6

Due: Monday, November 9

Complete the following problems from your textbook at the end of Chapter 18.

1. P20

2. P21

3. P23

4. P29

5. P39

6. P44

(a) $i_1 = 2.12 \times 10^{18} \text{ s}^{-1}$ $i_2 = 1.06 \times 10^{18} \text{ s}^{-1}$ $E_1 = 250 \text{ V/m}$, $E_2 = 125 \text{ V/m}$

7. P46

(a) $E_{\text{copper}} = 0.0352 \text{ V/m}$, $E_{\text{nich}} = 18.6 \text{ V/m}$

8. P47 (a only)