

Homework 5

EE 362 Electronic, Magnetic, & Optical Properties of Materials (Spring 2026)

Wednesday, February 25, 2026

- 1) 5.1
- 2) 5.7
- 3) 5.23 Changed so that $N_d = 6 \times 10^{16} \text{ #/cm}^3$ and $N_a = 3 \times 10^{16} \text{ #/cm}^3$.
- 4) 5.24
- 5) 5.33
- 6) 5.45
- 7) 5.46
- 8) 5.48

Due Monday, March 2, 2026.

Notes:

- Carry *at least 6* significant figures on constants/parameters in calculations. Give answers with **4-5** significant figures.
- If a graph is used, include graph with markings.
- Assume 300 K unless otherwise specified.