

Homework 10

EE 362 Electronic, Magnetic, & Optical Properties of Materials (Spring 2025)

Wednesday, April 23, 2025

- 1) 10.34
- 2) 10.35
- 3) 10.37
- 4) 10.42
- 5) 10.50 Assume silicon.
- 6) 10.57 For part a), find the transit time frequency limit as well. For part b) change the overlap to $0.5\text{ }\mu\text{m}$.

Wednesday, April 30, 2025

Notes:

- Carry *at least* **6** significant figures on constants/parameters in calculations. Give answers with **4-5** significant figures.
- If a solution requires the use of a graph, include the graph with work shown.
- **Read Note on page 433.**