

Homework 10

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

Friday, April 17, 2026

- 1) 10.33 Change to $W/L = 6$.
- 2) 10.36 Change to $W/L = 16$.
- 3) 10.43 First, find K_p .
- 4) 10.49 First, find K_p .
- 5) 10.52
- 6) 10.56 Change length to $4 \mu\text{m}$. For part b), find C_{gsp} , C_{gdp} , C_{gd} , C_{gs} , C_{gdT} , C_{gsT} , g_{ms} , and C_M as part of solution process.

Due Wednesday, April 22, 2026.

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** at beginning of PROBLEMS section on page 433.