

HW 6 – Dielectrics and Magnetostatics

Due October 9, 2009, 5 pm

These problems will help cement your understanding of linear dielectrics and how they affect capacitors. You should know the relationship between charge and current density.

All problems are from Griffiths, Chapters 4 & 5.

1. Problem 4.26 (p. 193).
2. Problem 4.28 (p. 197).
3. Problem 5.3 (p. 208).
4. Problem 5.6 (p. 214).