

# PHYS 3414 - Electricity and Magnetism- Homework Set 7

## Chapter 8 and 9 - Conductors and Dielectrics

Due 5:00pm Wednesday March 26, 2008.

### Good's Problems

8.2 (Just compute the power per unit volume.)

8.6

8.12

8.18 (One of the cases has infinite resistance.)

8.22

9.4

9.6

9.10

9.14

9.16 (Dielectric completely fills the space from  $r = 0.2\text{cm}$  to  $r = 0.45\text{cm}$ .)

9.24