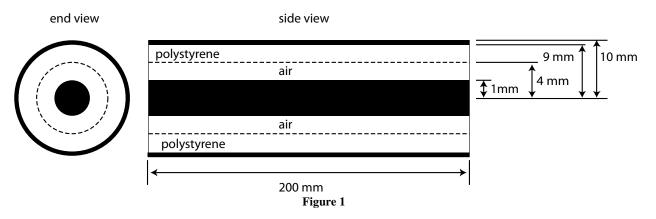
ECEn 360 Lines and Fields Homework #3



- 1. Figure 1 shows a section of coaxial cable with the insulator being part air and part polystyrene. A DC voltage of 10V is applied to the section of coaxial cable. Calculate the following.
 - a. Capacitance
 - b. Maximum electric field
 - c. Total charge on the inner conductor
- 2. Text: Problem 5.20
- 3. Text: Problem 5.21
- 4. Text: Problem 5.23
- 5. Text: Problem 5.25
- 6. Text: Problem 5.26