

Physics 9C-A Homework Assignment#7 (due on 2/23/10)

1. 26-38
2. 26-41
3. 26-72
4. 26-75
5. Optional (for 2 extra points and fun): In Example 24.7, let the total resistance of the wires that connect the two capacitors be R . Show that the loss of the stored electrostatic energy in the two capacitors (from 0.058J to 0.038J) as a result of closing the switch S for a long time equals the energy dissipated in R during the charge transfer from C_1 to C_2 .