

Recitation 8

Chapter 19

Problem 58. A 45 V battery of negligible internal resistance is connected to a $38\text{ k}\Omega$ and a $27\text{ k}\Omega$ resistor in series. What reading will a voltmeter, of internal resistance $95\text{ k}\Omega$, give when used to measure the voltage across each resistor? What is the percent inaccuracy due to meter resistance for each case?