Lab 9 - Ohm's Law & Bulbs

PHYS 112

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Ohm's Law: Equation 1

$$R = \frac{\Delta V}{I}$$

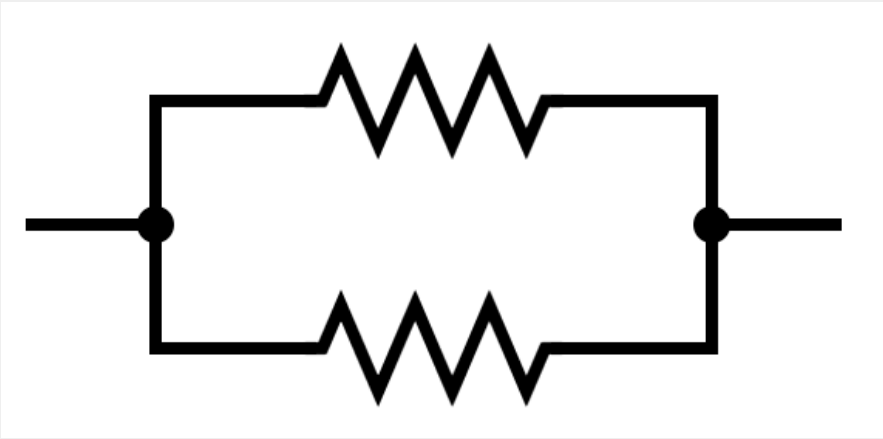
Resistors in Series: Equation 2

$$R_{eq} = R_1 + R_2 + \ldots$$

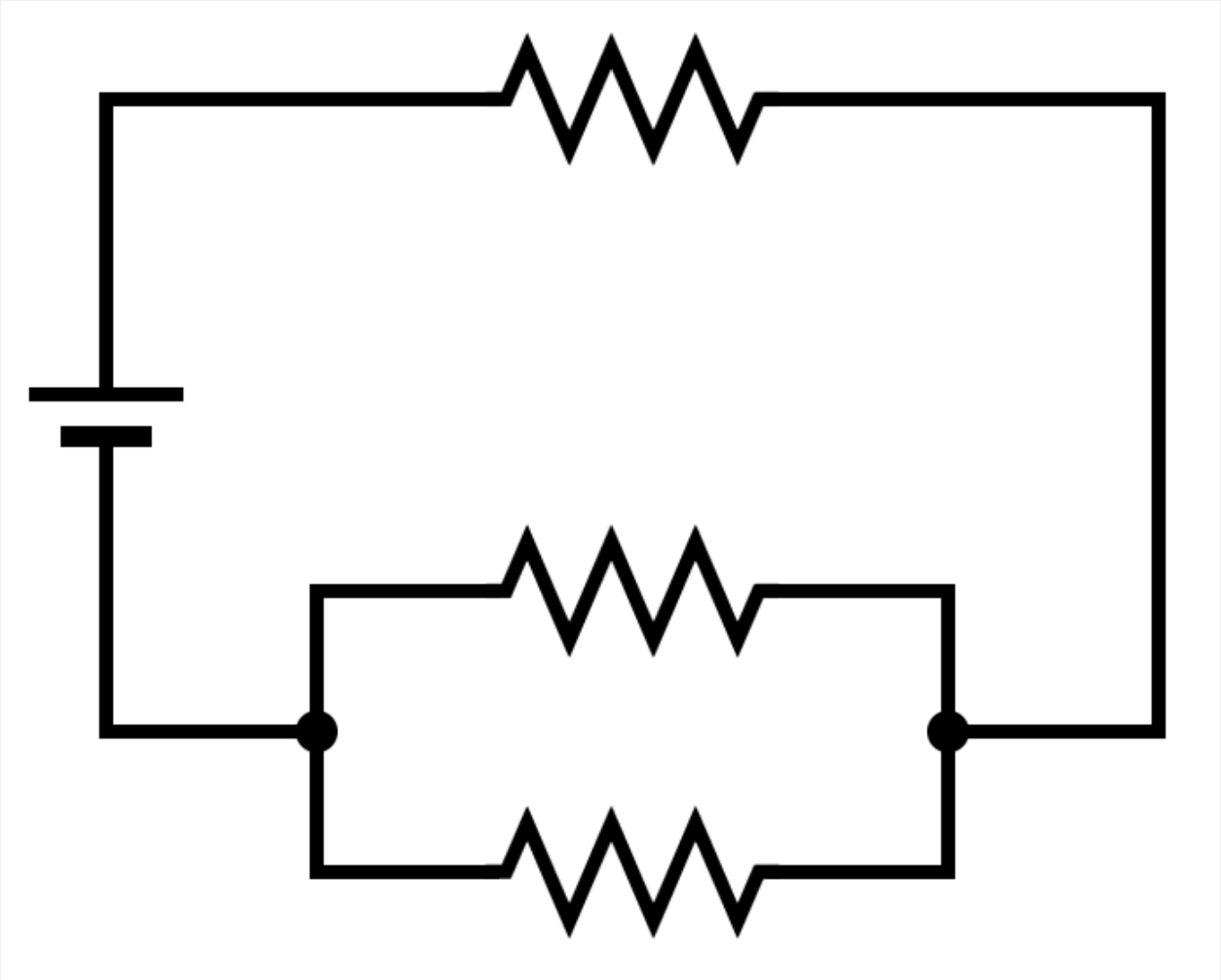
Resistors in Parallel: Equation 3

$$\frac{1}{R_{eq}} = \frac{1}{R_1} + \frac{1}{R_2} + \ldots$$

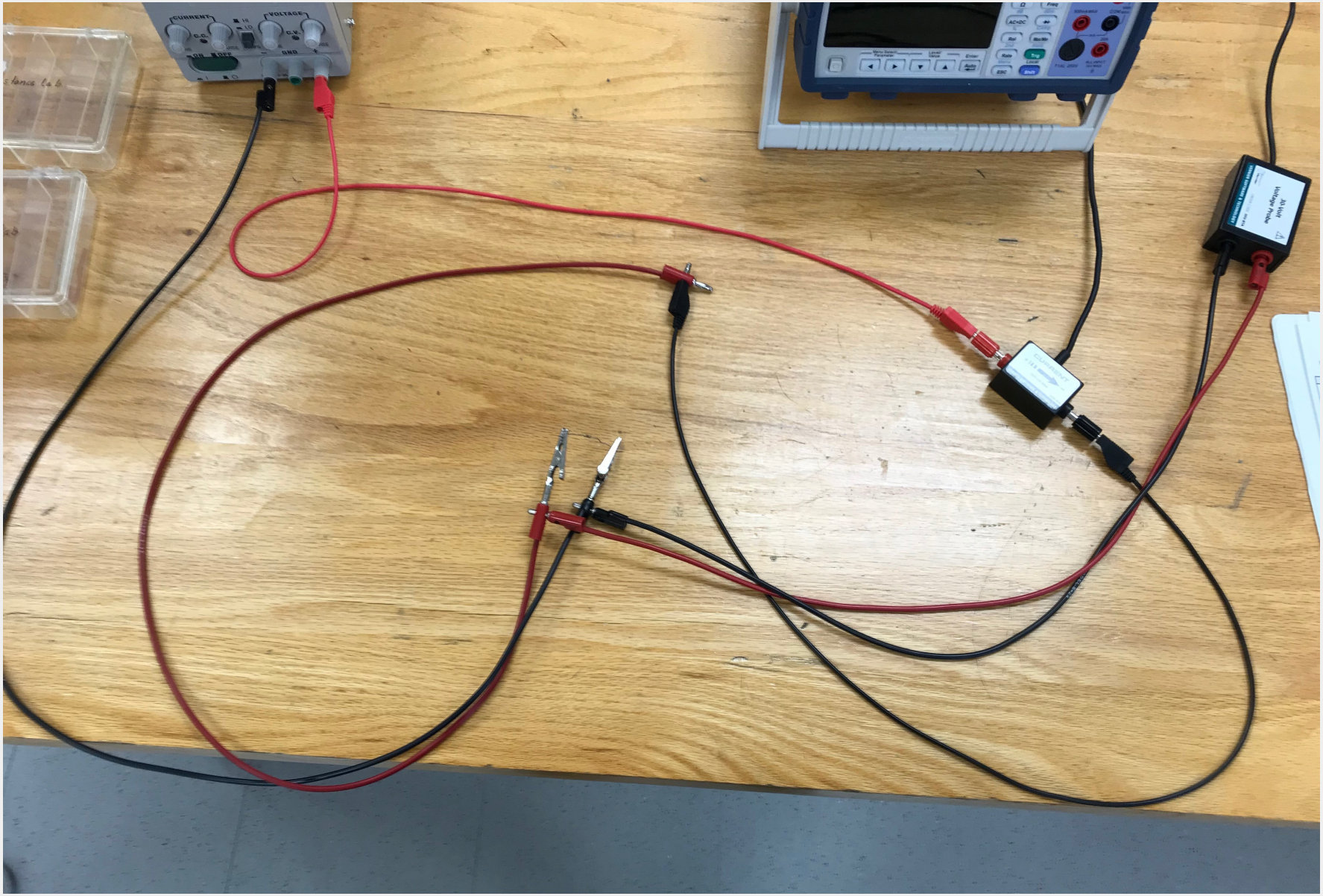
$$R_{eq} = \left(\frac{1}{R_1} + \frac{1}{R_2} + \ldots\right)^{-1}$$



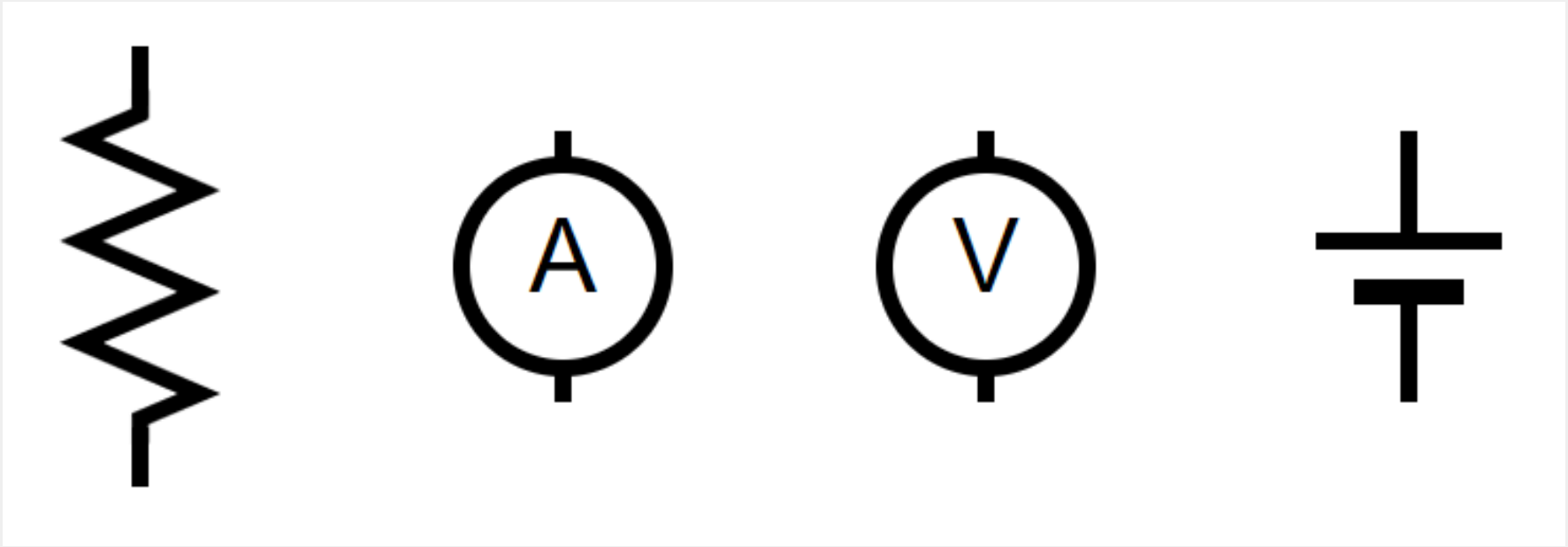
Complex Circuit



Equipment Setup



Schematic Symbols



Schematic Example