




Physics 213

General Physics

Lecture 5



Last Meeting: Capacitance

Today: Current and Resistance

Energy Stored in a Capacitor

Energy stored = $\frac{1}{2} Q \Delta V$

From the definition of capacitance, this can be rewritten in different forms

$$\text{Energy} = \frac{1}{2} Q \Delta V = \frac{1}{2} C \Delta V^2 = \frac{Q^2}{2C}$$