



Current and Resistance

February 18, 2008

The New York Times

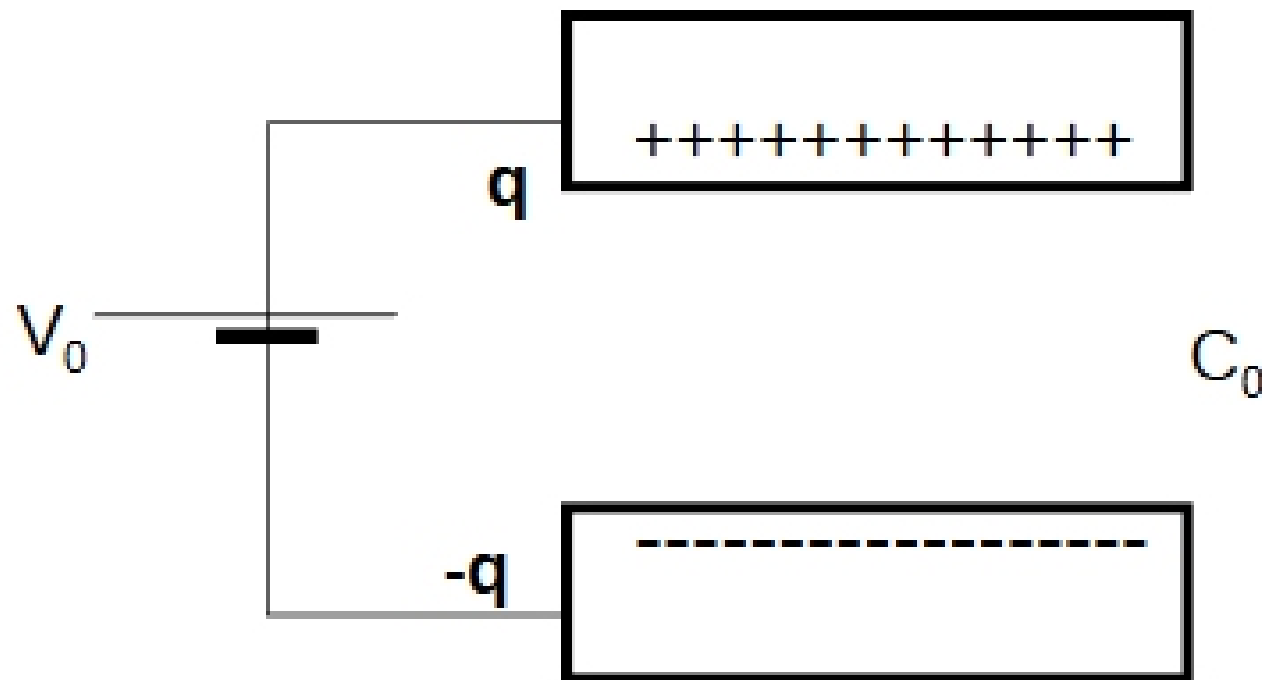
ON THE WEB

February 18, 2008

■ Headlines:

- Today we will finish capacitors and begin a study of current, resistors and DC circuits.
- Watch for new WebAssign
- Quiz on Friday
- Regular Problem sessions on Wednesday and Thursday

A Closer Look at this stuff..



Consider this virgin capacitor.
No dielectric experience.
Applied Voltage via a battery.

$$C_0 = \frac{\epsilon_0 A}{d}$$

$$q = C_0 V_0 = \frac{\epsilon_0 A}{d} V_0$$