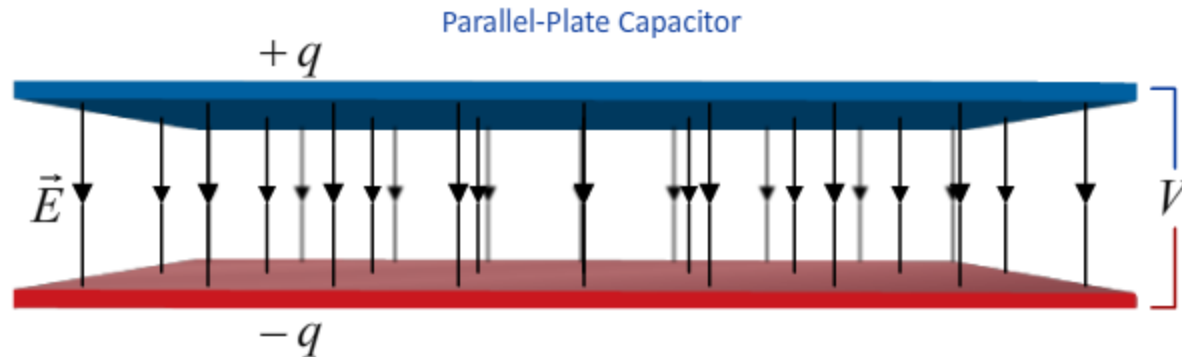


Main Point 3: Capacitors Store Energy in E



$$u = \frac{1}{2} \epsilon_0 E^2 \quad \text{Energy Density}$$

Energy Stored in Capacitors

$$U = \frac{1}{2} QV$$

or

$$U = \frac{1}{2} \frac{Q^2}{C}$$

or

$$U = \frac{1}{2} CV^2$$