

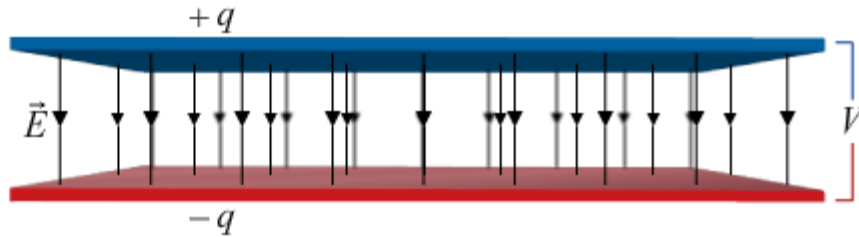
Energy in Capacitors

Energy Stored in Capacitors

$$U = \frac{1}{2} QV \quad \text{or} \quad U = \frac{1}{2} \frac{Q^2}{C} \quad \text{or} \quad U = \frac{1}{2} CV^2$$

Energy Density

$$u = \frac{1}{2} \epsilon_0 E^2$$



BANG