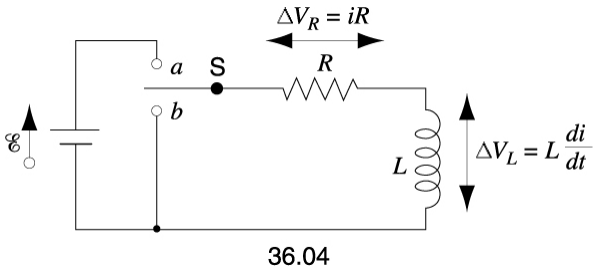
- For a capacitor q = CV
- A capacitor stores energy in the form of an electric field: $(1/2)CV^2$
- Stationary charges => potential energy

- An inductor stores energy in the form a magnetic field
- Moving charges => kinetic energy

- Just like the capacitance of capacitor depends on its geometry
- Inductance of an inductor also depends on its geometry

The SI unit of self-inductance is the *Henry*
1 H = 1 (V · s) / A

## LR circuit

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