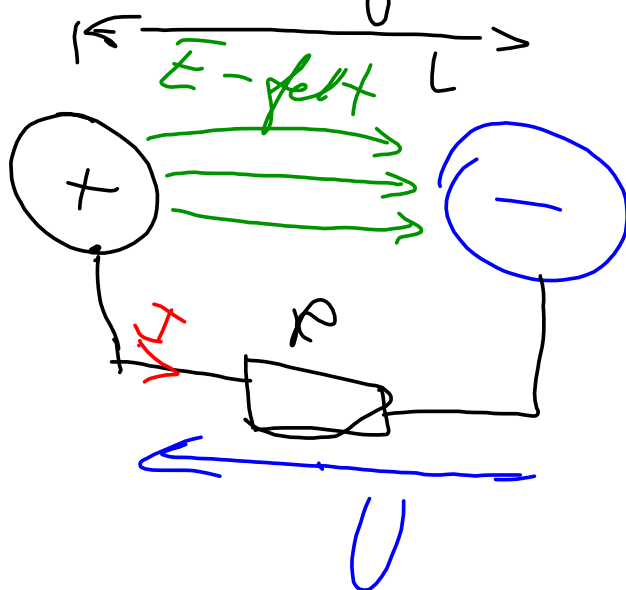


Elektriske felt

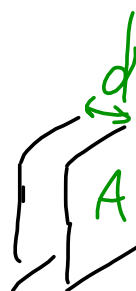
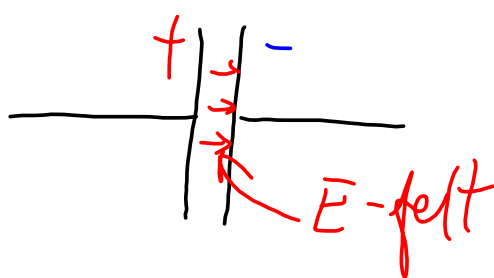


$$E = \frac{U}{L} \quad \leftarrow [V]$$

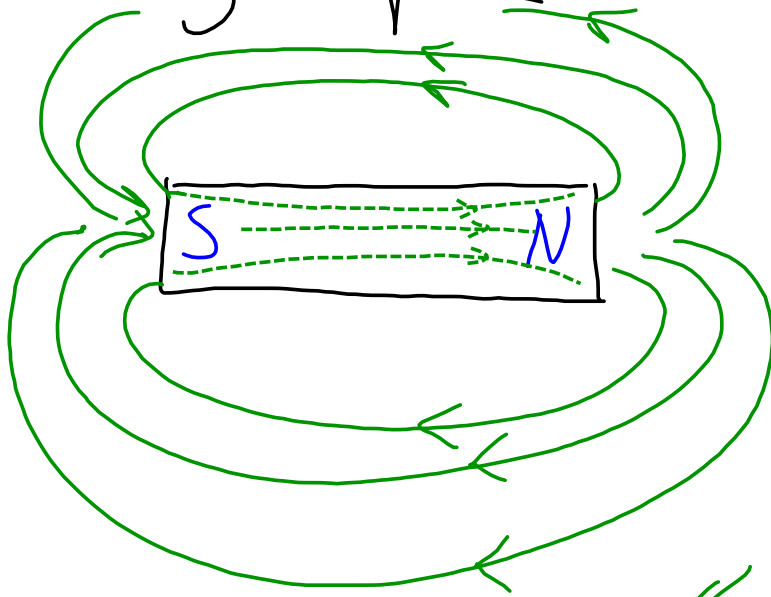
$$E_{k}: \quad \leftarrow [m]$$

$$E = 10 \frac{V}{m}$$

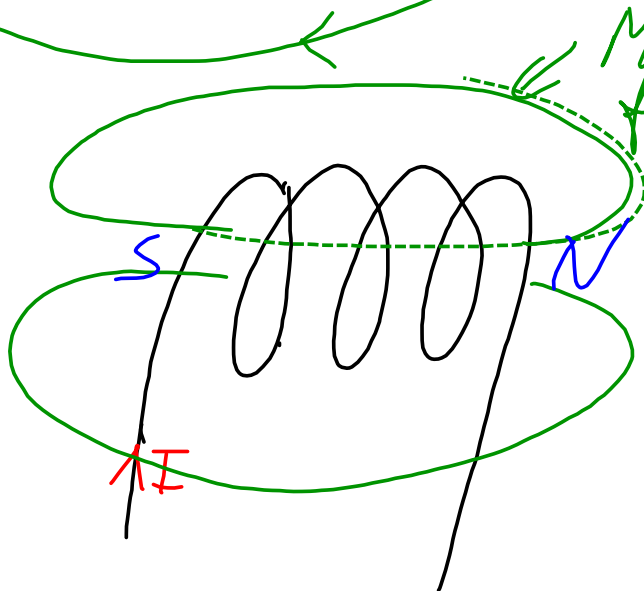
Kondensator



Magnet felt



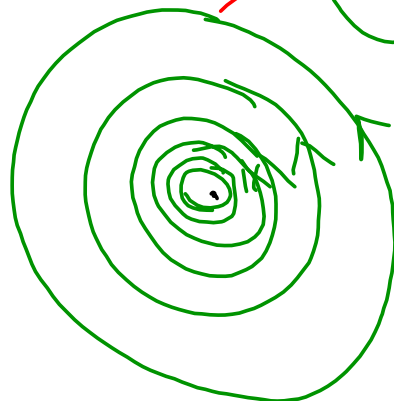
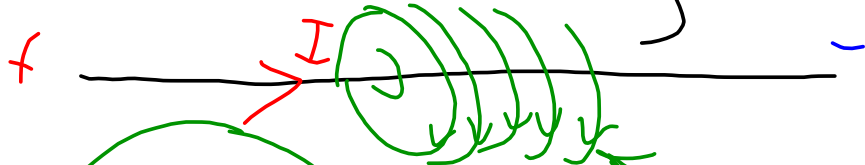
Stavmagnet



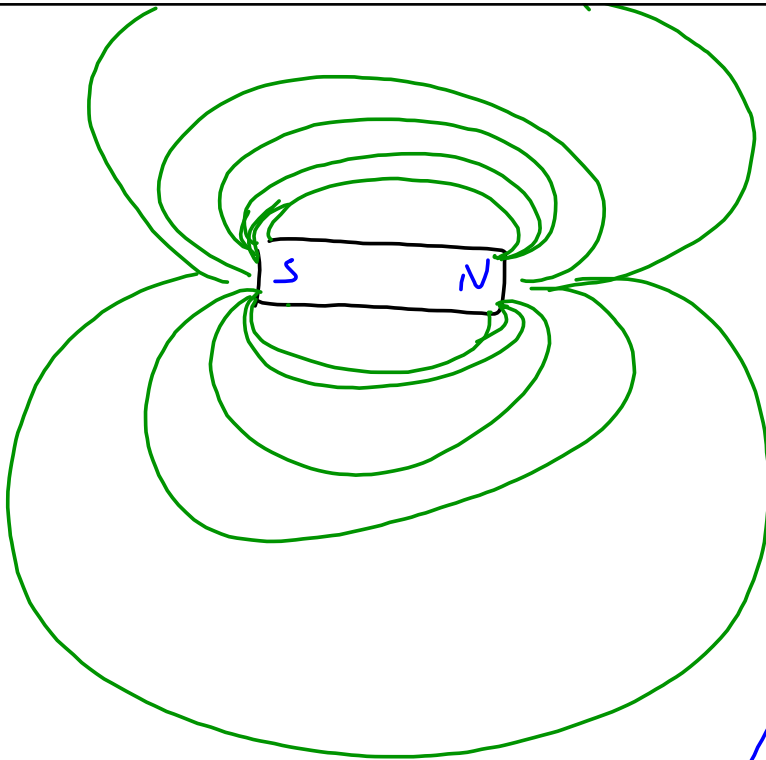
Magnetiske feltlinjer

Elektromagnet

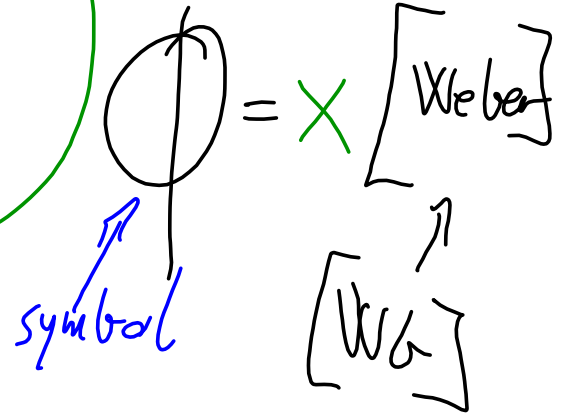
Elektrisk ledning



magnetfelt

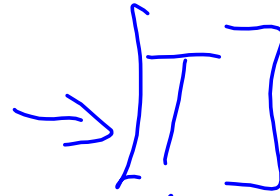


Magnetisk Flux



B-feltet

$$B = \frac{\Phi}{A} \quad \frac{[Wb]}{[m^2]}$$



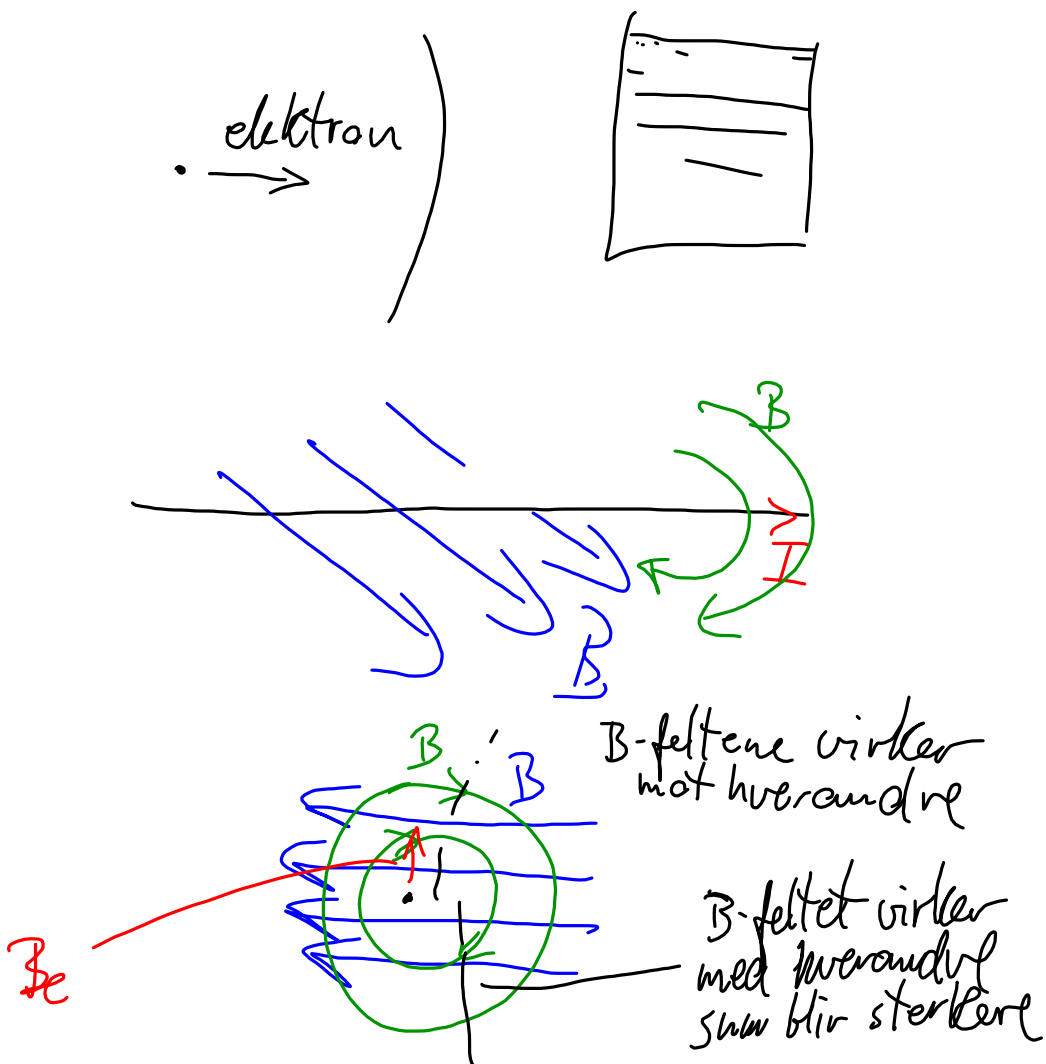
↑ Tesla
 benevnelse
 på den
 magnetiske fluxtetthet

Ladning i bevegelse

↳ elektrisk strøm (ledning)
↳ også i luft

Hvis bevegelsen er i et B-felt
så vil det bli en kraft på
ladningen

Lorentz kraft



Hall-effekt

← sensor som måler styrken på magnetfelt (B-feltet)

$$\vec{F} = q \cdot (\vec{v} \cdot \vec{B}) + q \vec{E}$$

