

Wir starten 10¹⁵ zur Fragestunde.

→ Bitte Fragen / Themen /
Unklare Dinge in den
Chat schreiben! ♡

→ Könnte auch am Di Morgen, 8.9.
um 8¹⁵ noch eine Fragestunde
anbieten! ♡

$\epsilon_0 \rightarrow \epsilon \epsilon_0$
 $\epsilon > 1$

$\mu_0 \rightarrow \mu \mu_0$
 $\mu > 1$

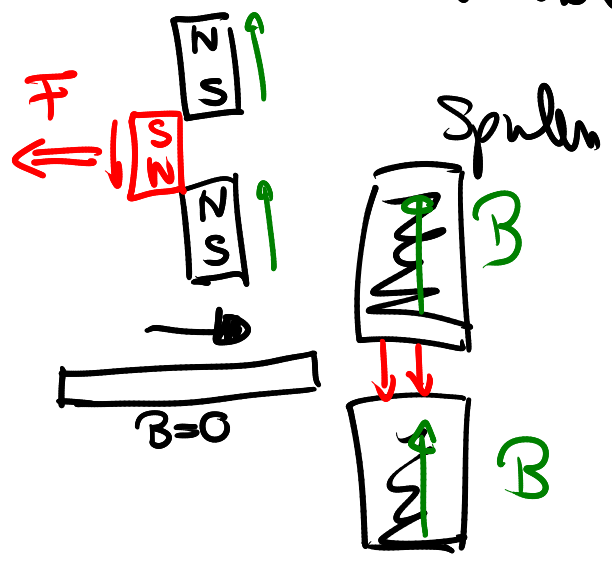
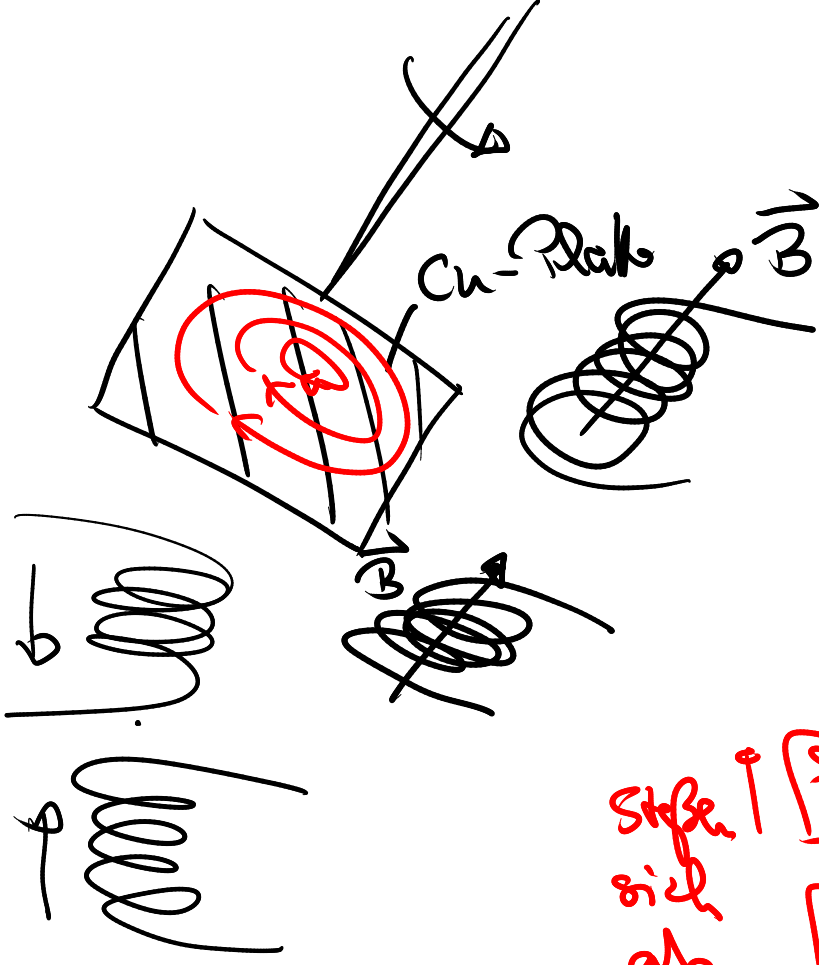
$\vec{P} = \vec{r} \cdot q$

$\vec{T} = \vec{r} \times \vec{F}$
 Drehmoment

$\vec{T} = q \vec{v} \times \vec{B}$

Multipolentwicklung
 $\vec{F} =$ Gesamtladung + Dipol
 Magnetfelder

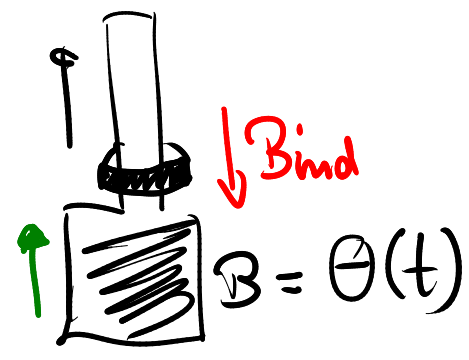
Von oben



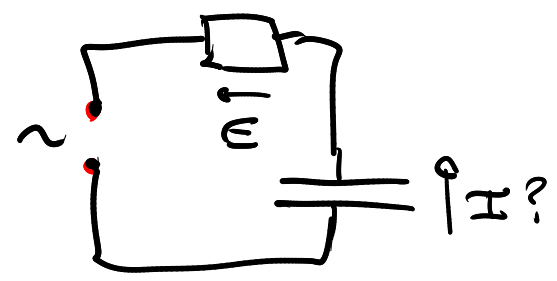
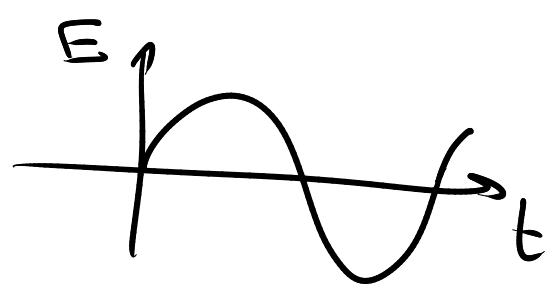
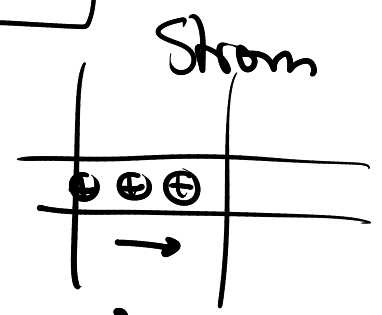
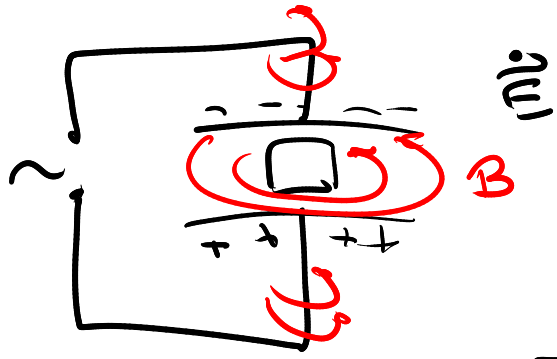
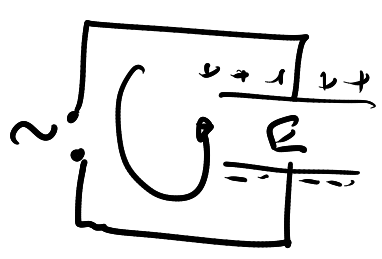
steigen
sich
ab

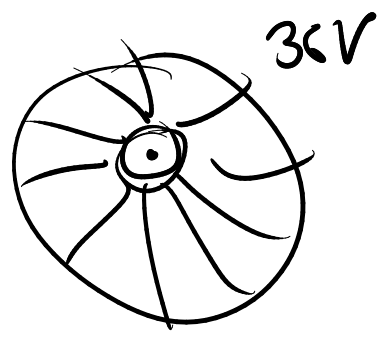
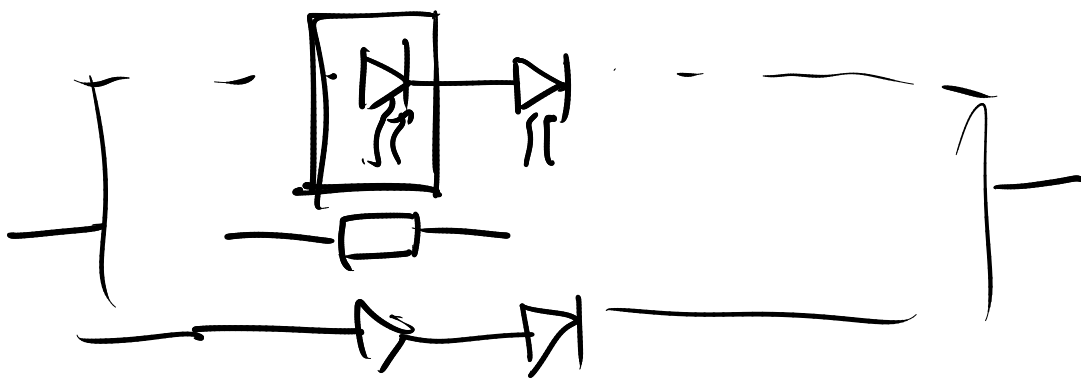
\uparrow S
N

\downarrow S
N

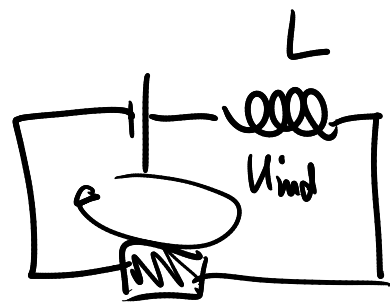
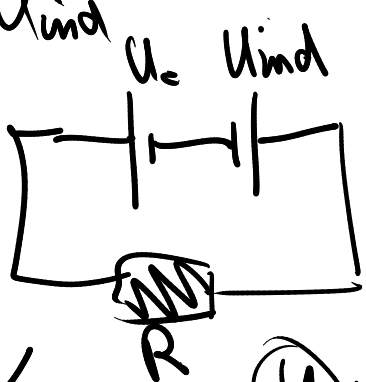
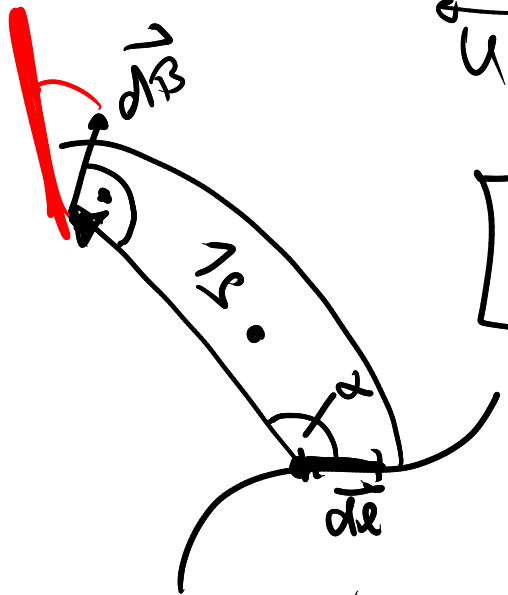


$\int \vec{j} \cdot d\vec{l} = I_{enc}$





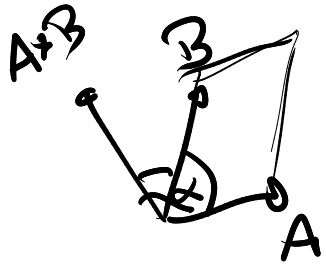
$$\mathcal{E} U = 0$$



$$U_0 + U_{ind} + U_R = 0$$

$$U_R = R \cdot I$$

$$d\vec{B} = \frac{\mu_0}{4\pi} I \frac{d\vec{x} \times \vec{r}/r}{r^2}$$



$$\vec{A} \cdot \vec{B} = |A| \cdot |B| \cdot \cos \alpha$$

$$\vec{A} \times \vec{B} = |A| \cdot |B| \cdot \sin \alpha$$