- Ruhe + Bewegungsinduktion

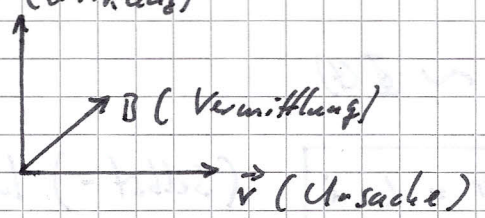
$$u_q(t) = \oint (\vec{v} \times \vec{B})\, d\vec{l} + \frac{d}{dt} \int \vec{B}\, d\vec{A}$$

$\Uparrow$

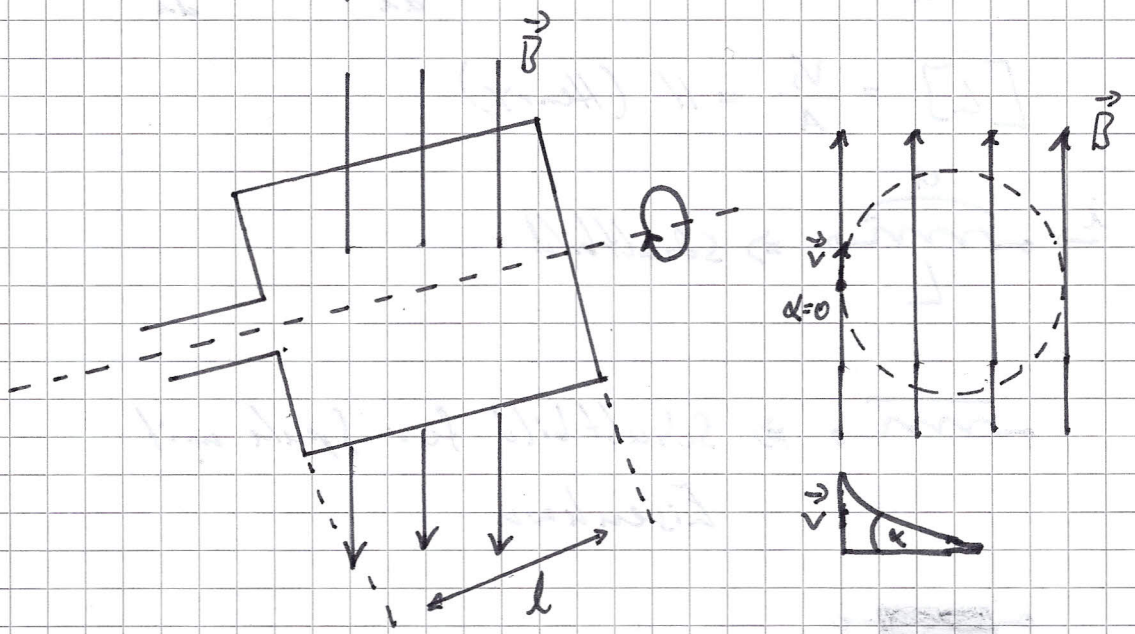
vollständige maxwellsche Gleichung

$\vec{E}$ (Wirkung)

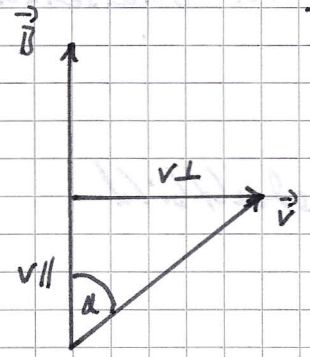
$\vec{v} \perp \vec{B} \perp \vec{l}$



z. B. Drehung Leiterschleife im magnetischen Feld



$$u_q(t) = \oint (\vec{v} \times \vec{B})\, d\vec{l}$$



$$u_q(t) = \oint \left[|\vec{v}| \cdot |\vec{B}| \cdot \sin \sphericalangle(\vec{v}, \vec{B}) \right] dl$$

$$u_q = 2 \cdot l \cdot v \cdot B \cdot \sin \alpha(t)$$