

magnetischer Leitwert:

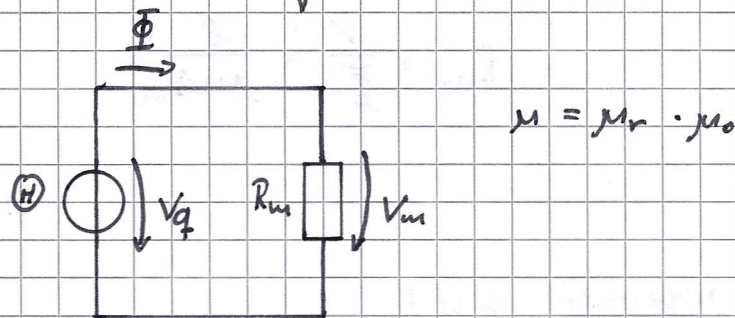
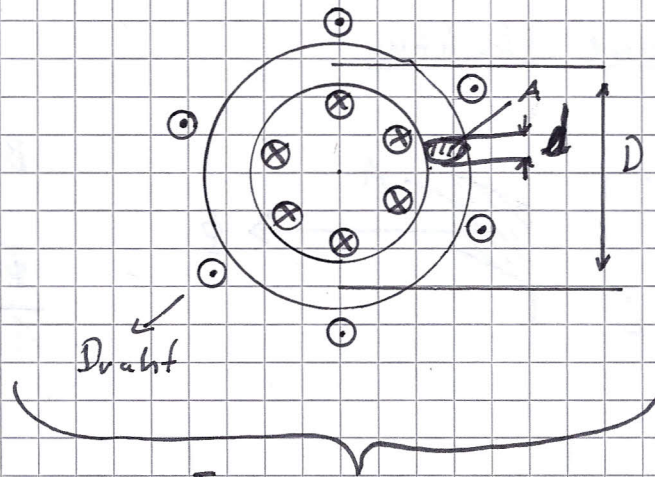
$$\Lambda_m = \frac{1}{R_m}$$

Reihenschaltung:  $R_{m\text{ges}} = \sum R_{m_i}$

Parallelschaltung:  $R_{m\text{ges}} = \frac{1}{\sum \frac{1}{R_{m_i}}}$

a) unverzweigter Magnetkreis

Ringspule:



$$R_m = \frac{1}{\mu} \cdot \frac{l}{A}; \quad l = \pi D$$

$$\mathcal{F} = w \cdot I = V_q = V_m; \quad A = \frac{\pi}{4} d^2$$

$$\Phi = \frac{V}{R_m}; \quad B = \frac{\Phi}{A}; \quad V_m = H \cdot l$$

$$R_m = \frac{V}{\Phi} = \frac{w \cdot I}{B \cdot A} = \frac{w \cdot I}{\mu H \cdot A}$$