

Power Transfer Efficiency:

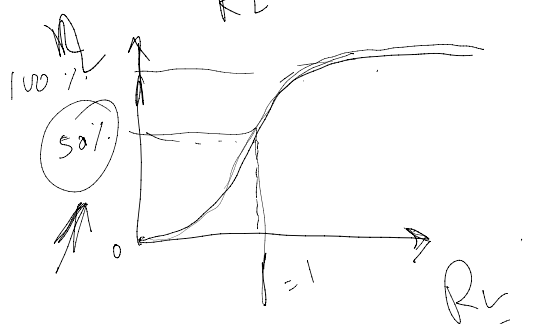
$$\eta = \frac{P_L}{P_T}$$

$$= \frac{P_{RL}}{P_{RTH} + P_{RL}} = \frac{I_m^2 R_L}{I_m^2 (R_L + R_{TH})} \times 100 \%$$

$$= \frac{R_L}{R_L + R_{TH}} = \frac{1}{1 + \frac{R_{TH}}{R_L}} \times 100 \%$$

$$\eta = 50\%$$

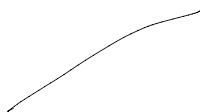
$$= 100\%$$



$$R_L = R_{TH} \quad \frac{10W}{5W} = 2$$

njugul

$$\frac{RL}{R+1}$$





Rv

Prüfung



