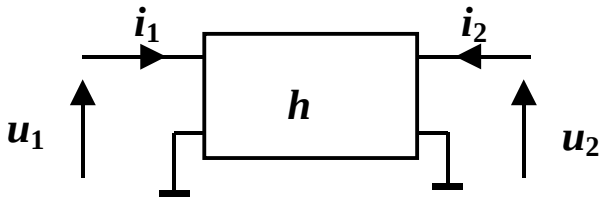
Parametry hybrydowe „h”



$$\begin{cases} u_1 = h_{11} i_1 + h_{12} u_2 \\ i_2 = h_{21} i_1 + h_{22} u_2 \end{cases}$$

$$h_{11} = \left.\frac{u_1}{i_1}\right|_{u_2=0} \Rightarrow h_{11e} = \left.\frac{u_{be}}{i_b}\right|_{u_{ce}=0} \vee h_{11e} = \left.\frac{\partial u_{BE}}{\partial i_B}\right|_{u_{CE}=\text{const}}$$

$$h_{12} = \left.\frac{u_1}{u_2}\right|_{i_1=0} \Rightarrow h_{12e} = \left.\frac{u_{be}}{u_{ce}}\right|_{i_b=0} \vee h_{12e} = \left.\frac{\partial u_{BE}}{\partial u_{CE}}\right|_{i_B=\text{const}}$$

$$h_{21} = \left.\frac{i_2}{i_1}\right|_{u_2=0} \Rightarrow h_{21e} = \left.\frac{i_c}{i_b}\right|_{u_{ce}=0} \vee h_{21e} = \left.\frac{\partial i_C}{\partial i_B}\right|_{u_{CE}=\text{const}}$$

$$h_{22} = \left.\frac{i_2}{u_2}\right|_{i_1=0} \Rightarrow h_{22e} = \left.\frac{i_c}{u_{ce}}\right|_{i_b=0} \vee h_{22e} = \left.\frac{\partial i_C}{\partial u_{CE}}\right|_{i_B=\text{const}}$$