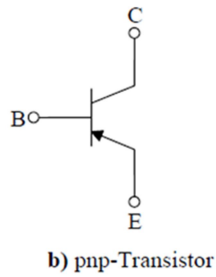
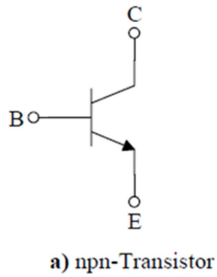


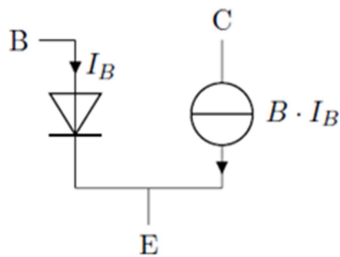
Zusammenfassung: Tutorium 2

- Bipolare Transistoren**



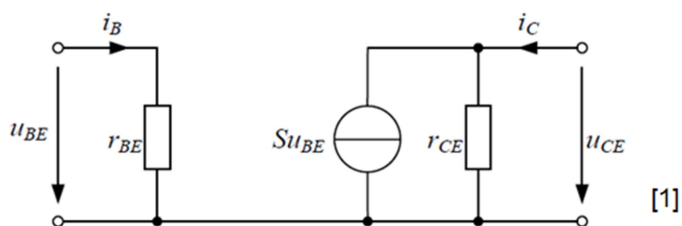
[1]

- Bipolarer Transistor Großsignalersatzschaltbild**



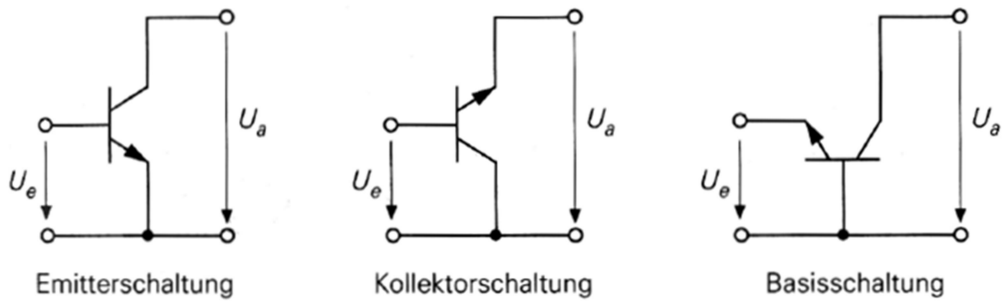
[1]

- Bipolarer Transistor Kleinsignalersatzschaltbild**



Hinweis:
 r_{CE} nur bei *EarlyEffekt*!

- Grundsaltungen



[1]

Kenngrößen bei Bipolaren Transistoren

- **B: Großsignal Stromverstärkung** $B = \frac{I_C}{I_B}$
- **β : Kleinsignal Stromverstärkung** $\beta = \frac{r_{BE}}{S}$
- **S: Steilheit** $S = \frac{I_{C,A}}{U_T}$
- **A: Kleinsignal Spannungsverstärkung** $A = \frac{U_A}{U_E}$

Quellen:

- [1] ES-Skript