

Kurzbeschreibung der Messungen
mit dem Transistortester
Version 1.11k

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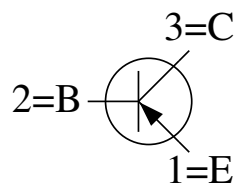
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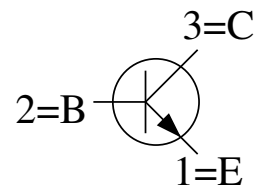
Kapitel 1

Beschreibung der BJT-Messungen

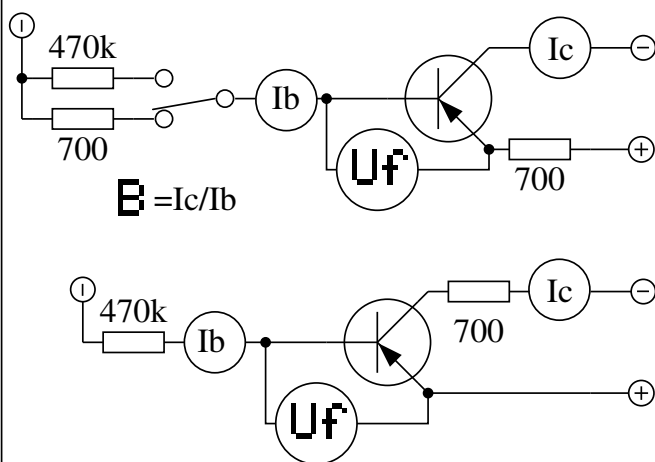
BC640



BC639

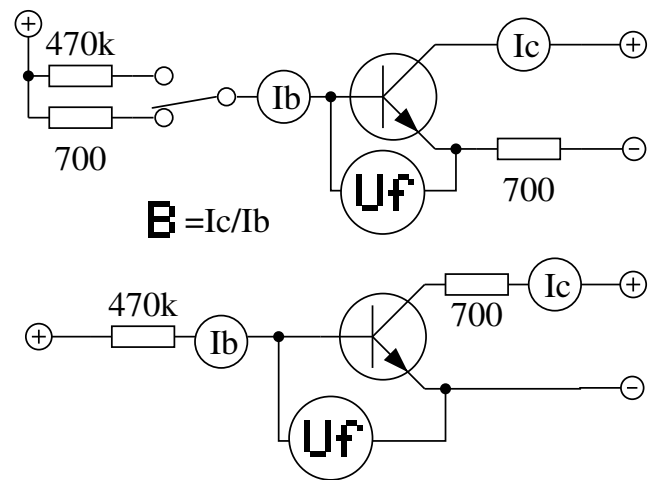


PNP 123=EBC
 $B=185$ $U_f=607\text{mV}$



(a) PNP

NPN 123=EBC
 $B=216$ $U_f=632\text{mV}$



(b) NPN

Abbildung 1.1. Bipolare Silizium Transistoren

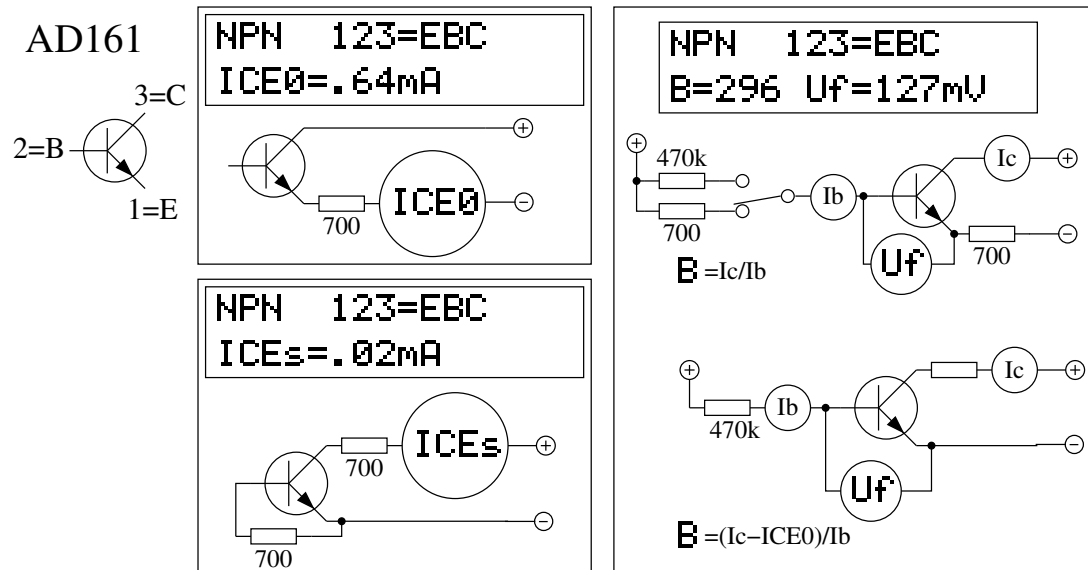


Abbildung 1.2. NPN-Germanium-Transistor

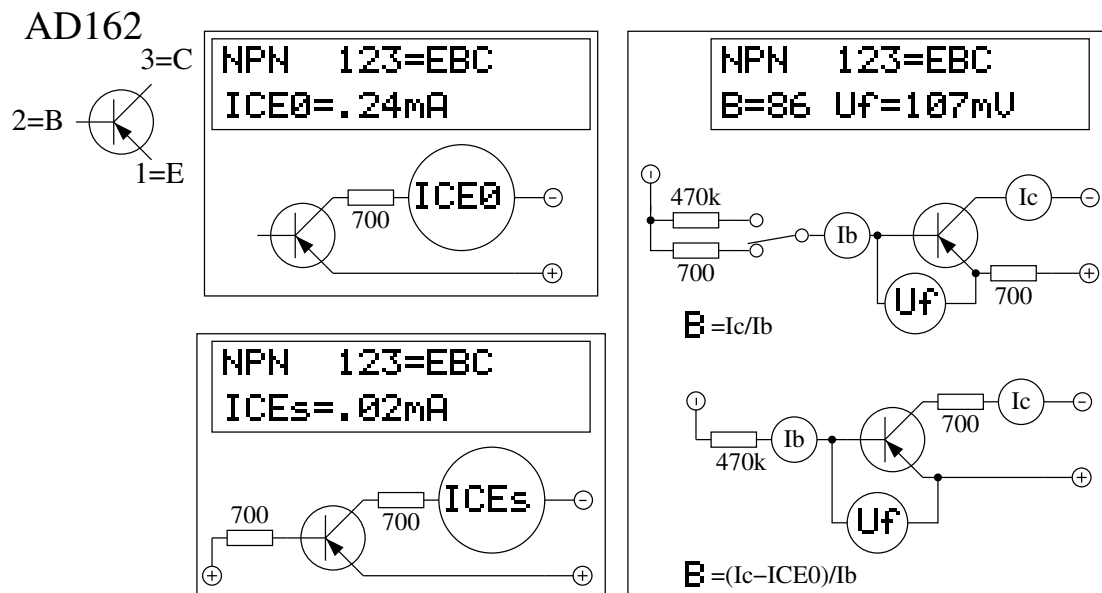
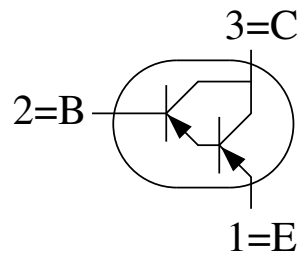
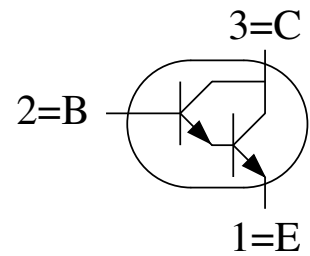


Abbildung 1.3. PNP-Germanium-Transistor

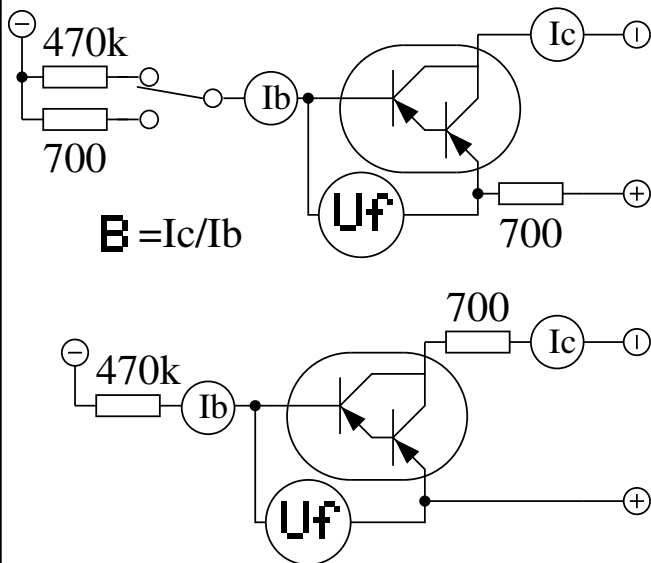
BC516



BC517

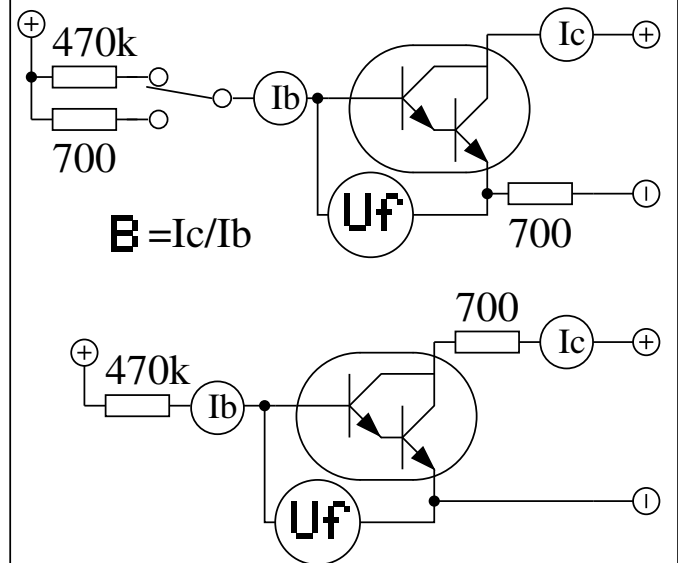


PNP 123=EBC
B=82.0k Uf=1.20V



(a) PNP

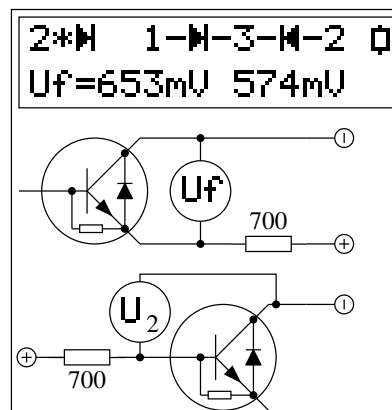
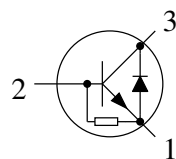
NPN 123=EBC
B=26.0k Uf=1.23V



(b) NPN

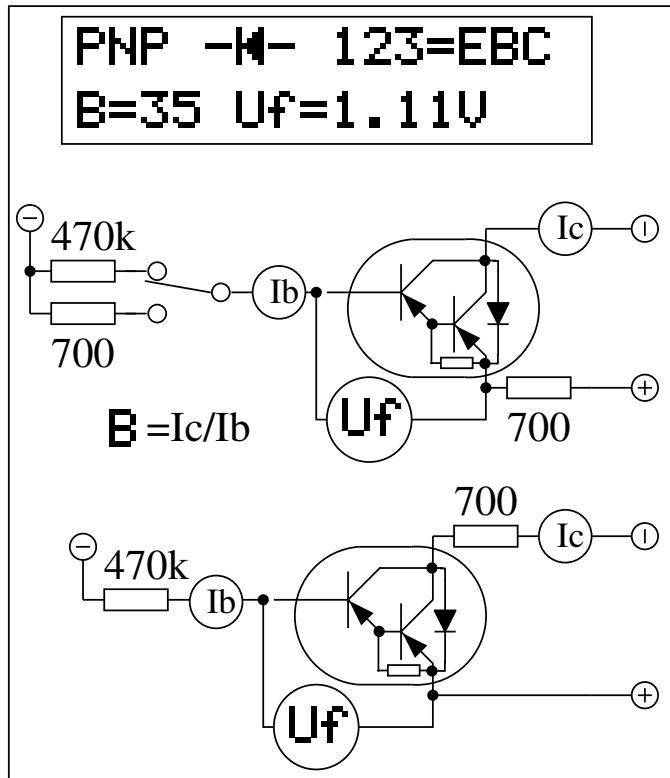
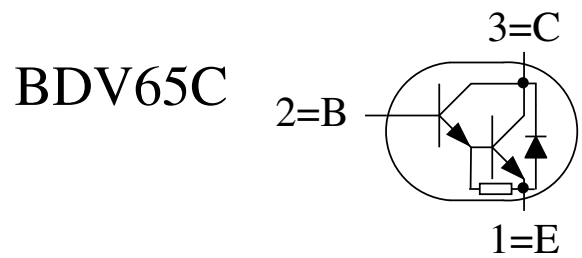
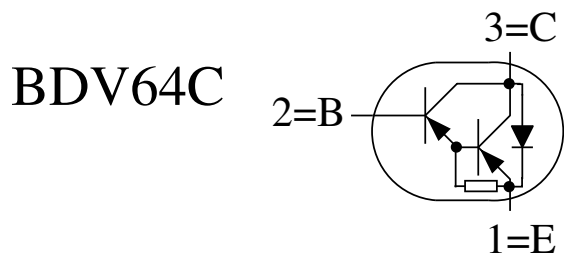
Abbildung 1.4. Silizium Darlington-Transistoren

BU508D

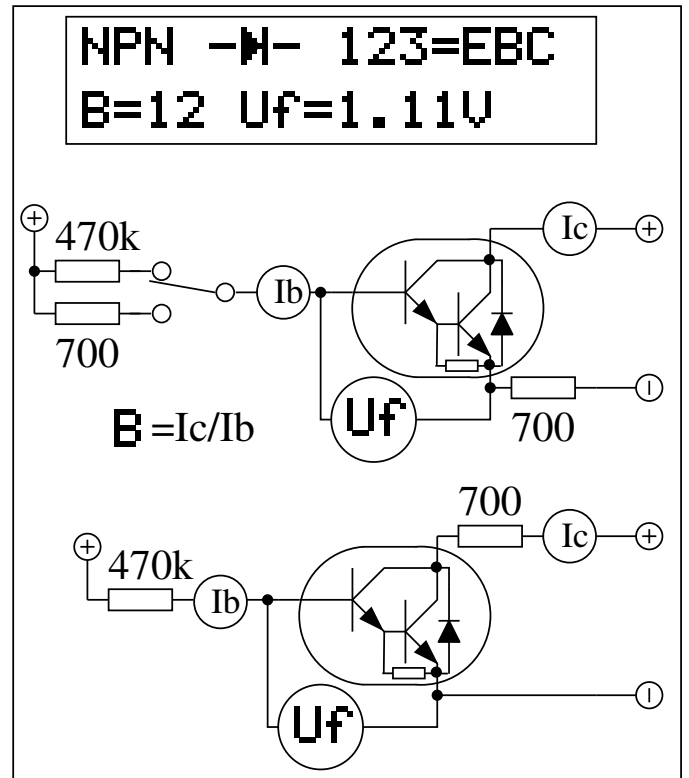


2*H 1-C-2
41.5Ω

Abbildung 1.5. NPN-Transistor mit Diode und Widerstand



(a) PNP

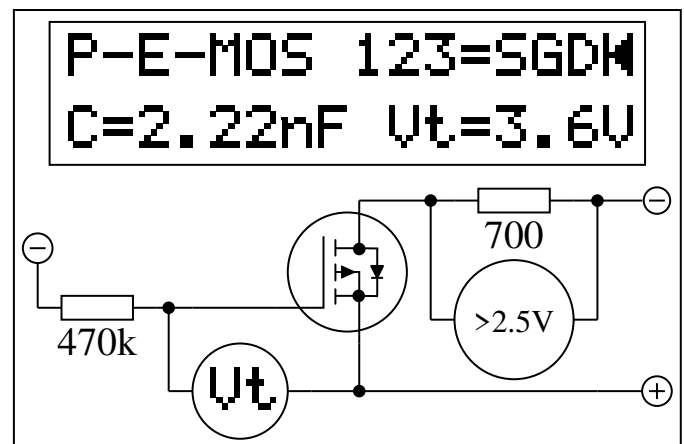
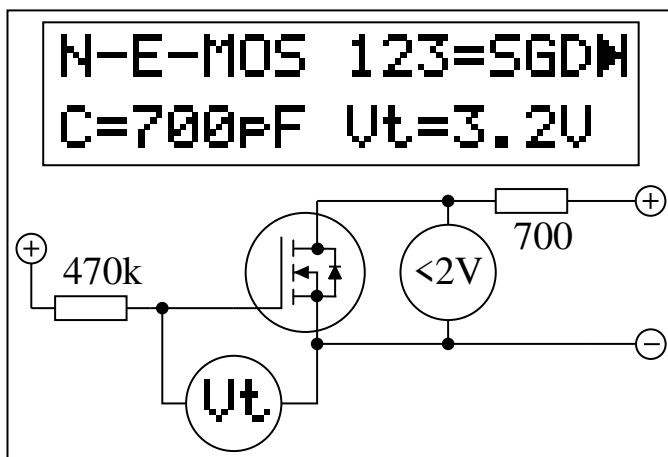
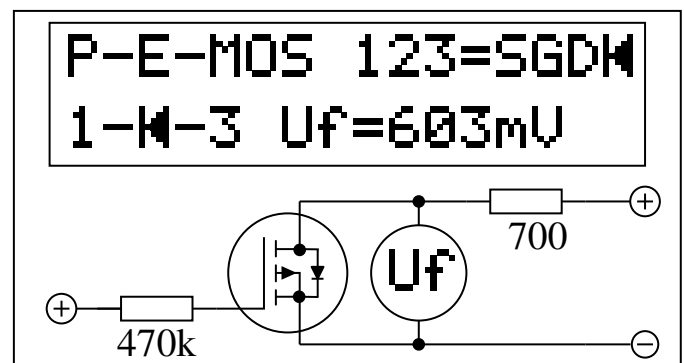
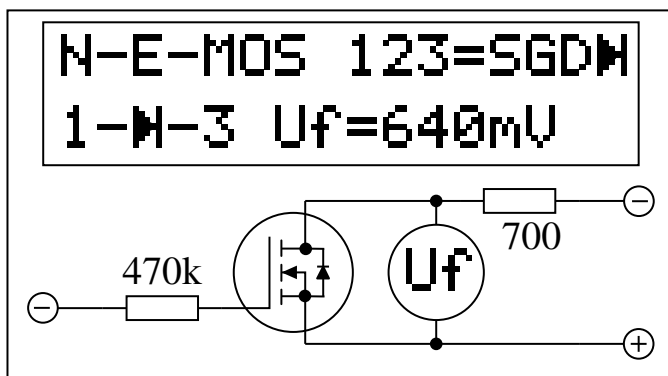
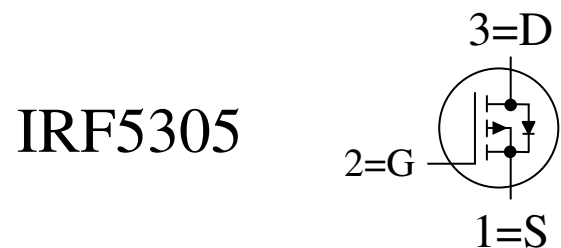
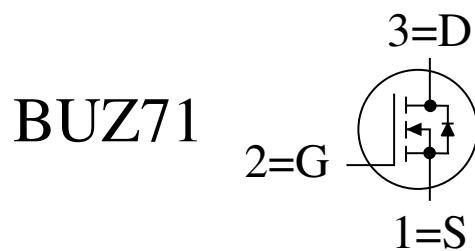


(b) NPN

Abbildung 1.6. Silizium Darlington-Transistoren

Kapitel 2

Beschreibung der MOSFET-Messungen



(a) N-E-MOSFET

(b) P-E-MOSFET

Abbildung 2.1. Anreicherungs-MOSFETs

BSS169

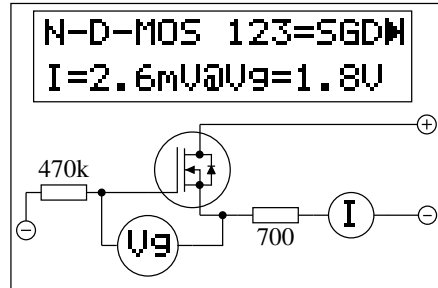
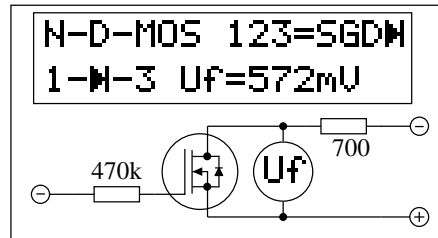
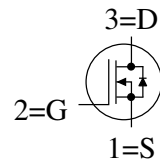
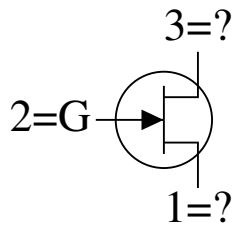
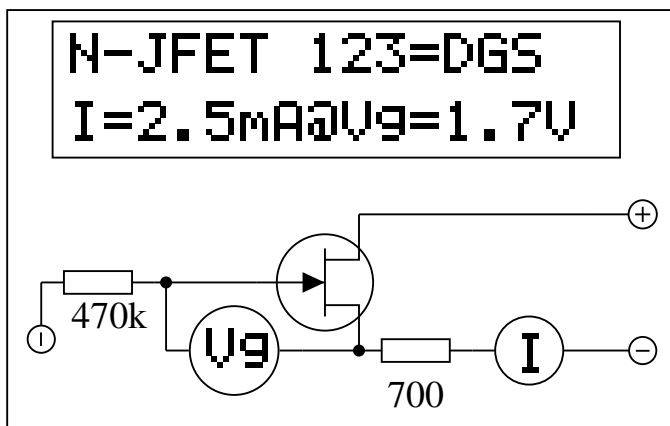
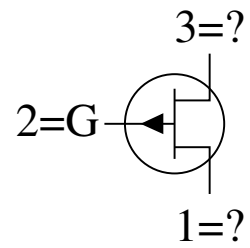


Abbildung 2.2. N-D-MOSFET

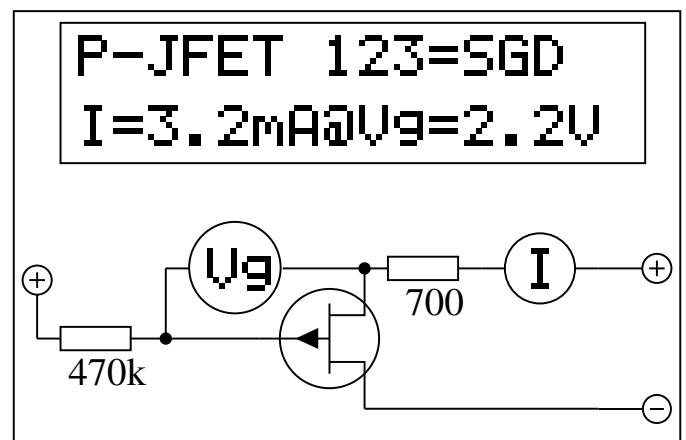
BF245



J175



(a) N-JFET



(b) P-JFET

Abbildung 2.3. JFETs

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