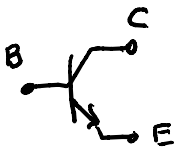


BJT = bipolar junction transistor

EE 303H
01/27/09

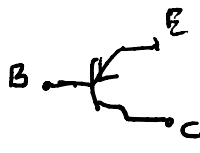
n p n



2N3904

B = base
C = collector
E = emitter

p n p

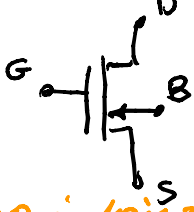


2N3906

Q = BJT in Spice

CMOS = complementary metal oxide silicon

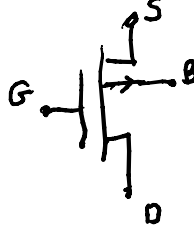
NMOS = n-channel



400T
⇒ CA3600 in Spice

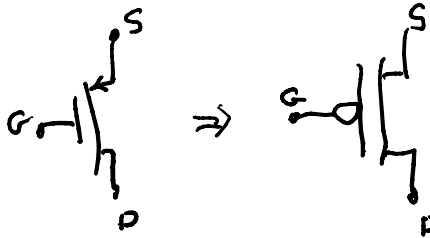
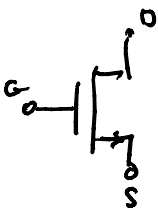
G = gate
D = drain
S = source
B = bulk

PMOS = p-channel

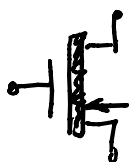


enhancement mode

M = MOS in Spice

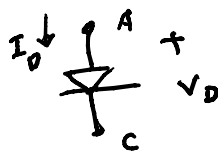


Depletion mode



Diodes
 I_D

p-n junction



D = diode in spice

