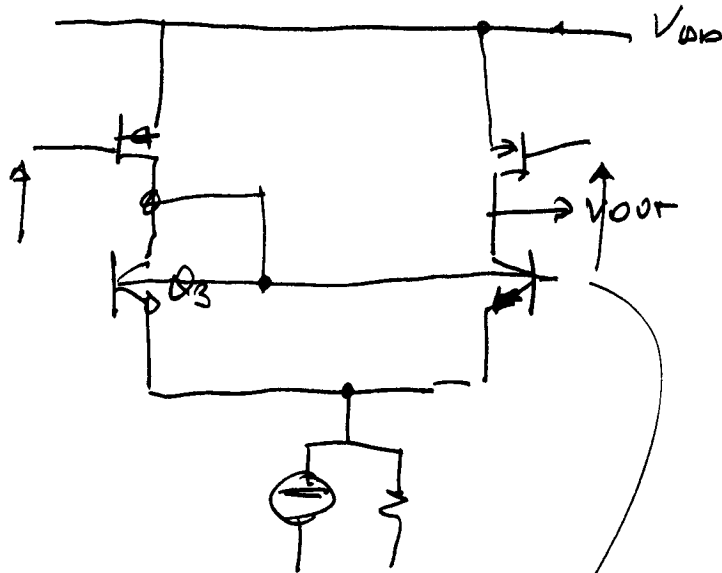


BICMOS afferente

17



alta impedenza
con MOS +
buona risposta
in frequenza BJT

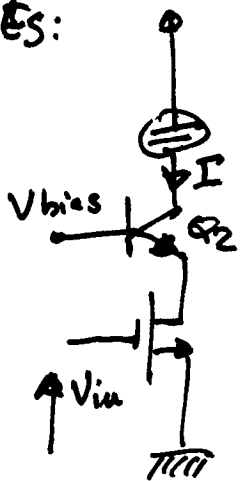
BCMOS

$$G = g_{m2}(R_{o1} || R_{o2})$$

BJT → vantaggi → alta f_m + ottima risposta in alto-frequenza.

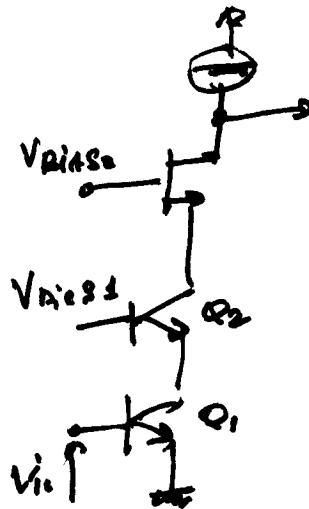
MOS → alte impedenze ingresso e zero corrente ingresso

Es:



2^a alta

$$G = g_{m1} \cdot V_{ce} \cdot g_{m2} \cdot R$$



$$g_{m1} \cdot V_{ce} \cdot g_{m2} \cdot R_{o2} \cdot g_{m3} \cdot R_{o3} \\ = g_{m1} \cdot g_{m2} \cdot V_{ce} \cdot R_{o2}$$