



Tabla 1: Parametros

BJT	FET
$g_m = \frac{I_{CQ}}{V_T}$	$g_m = k'_n \left(\frac{W}{L}\right) (V_{GSQ} - V_{th}) = \sqrt{2k'_n \frac{W}{L} I_{DQ}}$
$r_o = V_A / I_{CQ}$	$r_o = 1 / \lambda I_Q$
$r_\pi = \beta V_T / I_{CQ}$	$i_{DQ} = \frac{1}{2} k'_n \left(\frac{W}{L}\right) (v_{GS} - V_{th})^2$

Tabla 2: Ganancias

$\frac{v_c}{v_b} = \frac{-g_m R_c}{1 + g_m R_e}$	$\frac{v_d}{v_g} = \frac{-g_m R_d}{1 + g_m R_s}$
$\frac{v_e}{v_b} = \frac{+g_m R_c}{1 + g_m R_e}$	$\frac{v_s}{v_g} = \frac{+g_m R_d}{1 + g_m R_s}$
$\frac{v_e}{v_b} = \frac{+g_m R_e}{1 + g_m R_e}$	$\frac{v_s}{v_g} = \frac{g_m R_s}{1 + g_m R_s}$

Tabla 3: Resistencias equivalentes

$R_{OC} = R_C \parallel (r_o(1 + g_m R_E))$	$R_{OD} = R_D \parallel (r_o(1 + g_m R_S))$
$R_{OE} = R_E \parallel \frac{r_\pi + R_b}{\beta + 1} \parallel r_o$	$R_{OS} = R_S \parallel \frac{1}{g_m}$
$R_{IB} = R_b \parallel (r_\pi + (\beta + 1)R_E)$	$R_{iG} = R_g$