$v_o(t)$

$t(\text{sec})$

$\overline{v_v^2}$

$\overline{i_{i^+}^2}$

$\overline{i_{i^-}^2}$

V_{os}

V^+

V^-

$V_{\text{supp,hi}}$

$V_{\text{supp,lo}}$

$V_{\text{offset null}}$

I_{B1}

I_{B2}

R_2

R_1

$\approx 0\text{V}$

$\approx 0\text{A}$

$V_o^+ = I_{B1}R_2$

R_3

$I_{B2}R_3$

$\dfrac{I_{B2}R_3}{R_1}$

$\dfrac{I_{B2}R_3}{R_1} - I_{B1}$

v_s

v_o

$\approx \dfrac{R_2}{R_1}$

$$\omega_0$$

$$\omega_{3\text{dB}}$$

$$\omega_t$$

$$\frac{dV_o}{dt} = \omega_t V_i \leq SR$$

$$V_i$$

$$I_o$$

$$I_{max}$$

$$-I_{max}$$