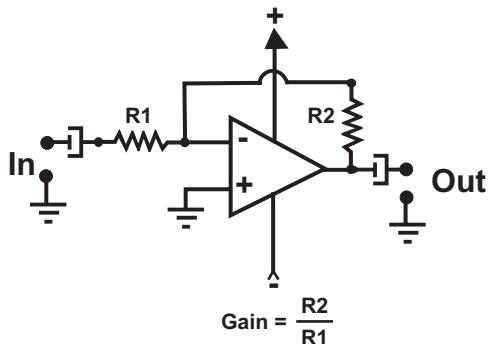
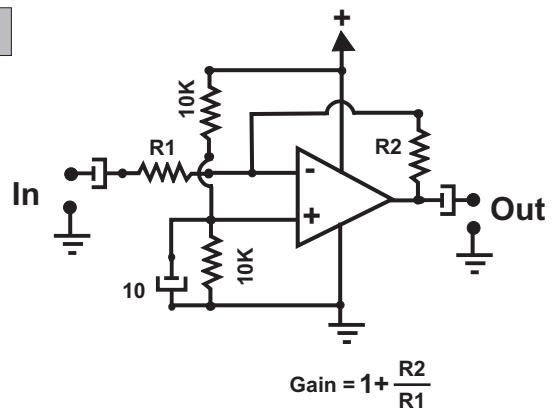


Configuration des OpAmp

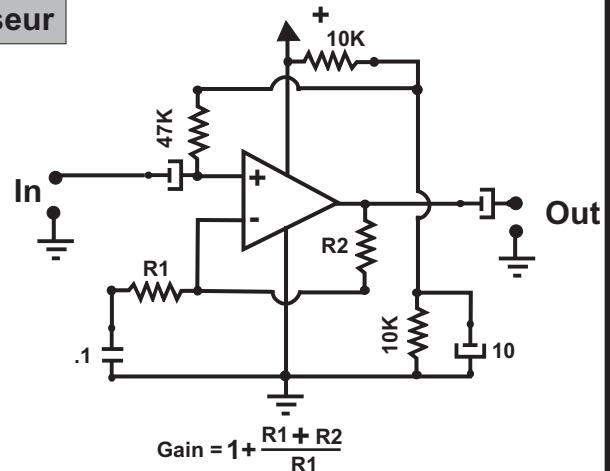
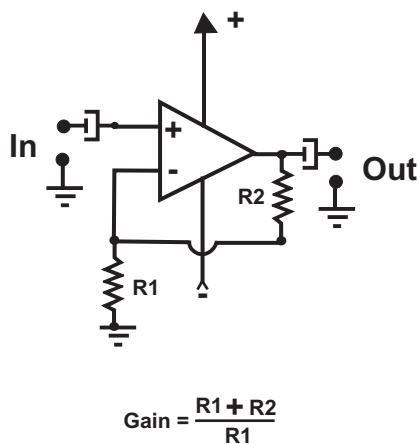
Dual supply



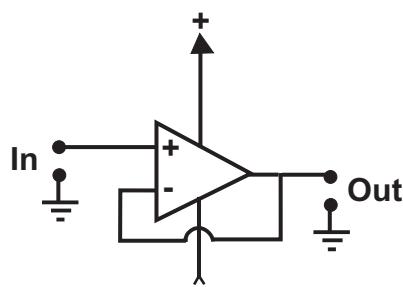
Simple supply



Non inverseur

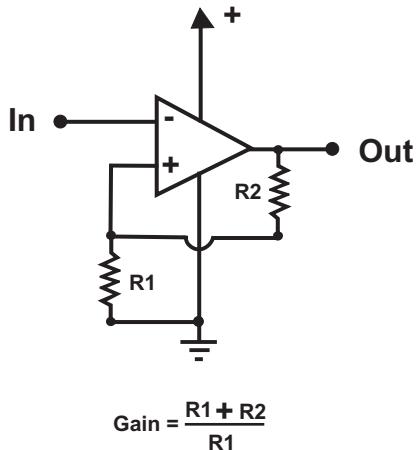


Suiveur Gain = 1

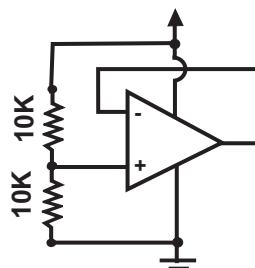


Autres utilisations des OpAmp

Amplificateur DC

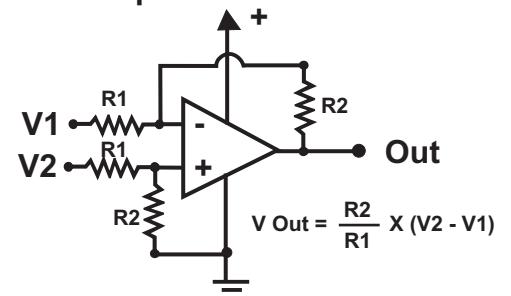


Non utilisé

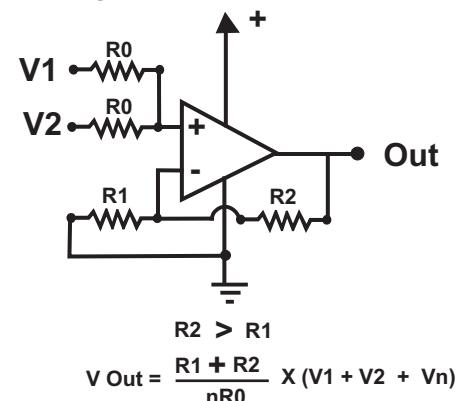


Lorsque dans un IC double ou quadruple, un des amplis n'est pas utilisé

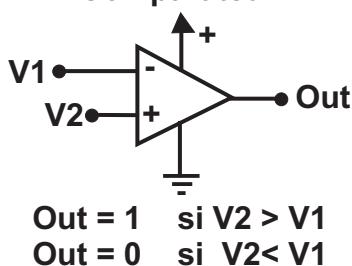
Amplificateur différentiel



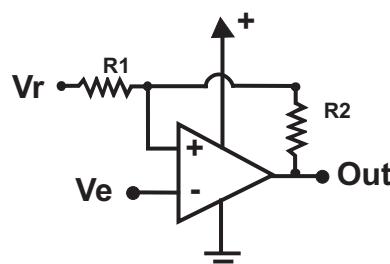
Amplificateur additionnel



Comparateur



Comparateur avec hystérésis



V_r = Référence
 V_e = entrée
 $U = V_{cc}$
 V_1 = seuil 1
 V_2 = seuil 2
 $R_2 > R_1$

$$V_1 = V_r + \left[(U - V_r) \times \frac{R_1}{R_1 + R_2} \right]$$

$$V_2 = V_r - \left[(U - V_r) \times \frac{R_1}{R_1 + R_2} \right]$$

$\text{Out} = 1$ si $V_e < V_2$
 $\text{Out} = 0$ si $V_e > V_1$
 Entre V_1 et V_2 aucun changement d'état