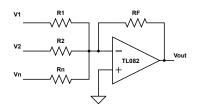
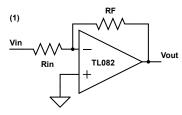
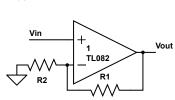
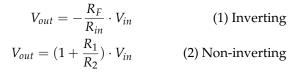
OP-AMP CONFIGURATIONS



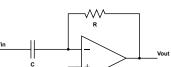


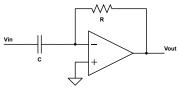


$$V_{out} = -\left(\frac{R_F}{R_1} \cdot V_1 + \frac{R_F}{R_2} \cdot V_2 \cdot \dots + \frac{R_F}{R_n} \cdot V_n\right)$$



(1) Inverting





$$V_{out} = RC \frac{dV_{in}}{dt}$$

Inverting Differentiator

$$V_{out} = \int_0^t rac{V_{in}}{RC} \, dt + V_{initial}$$
 Inverting Integrator