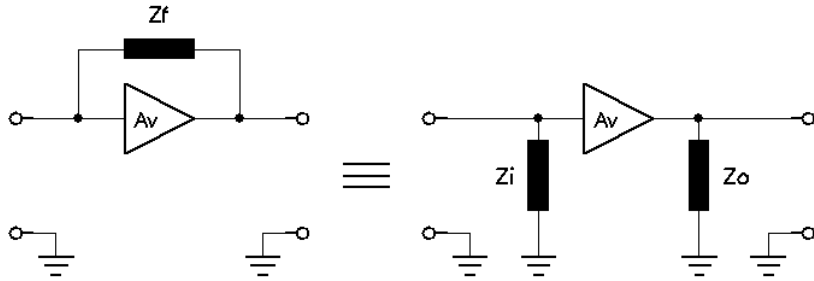
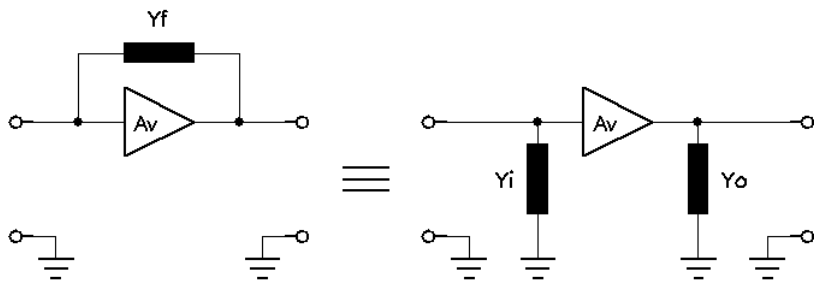


Miller effect



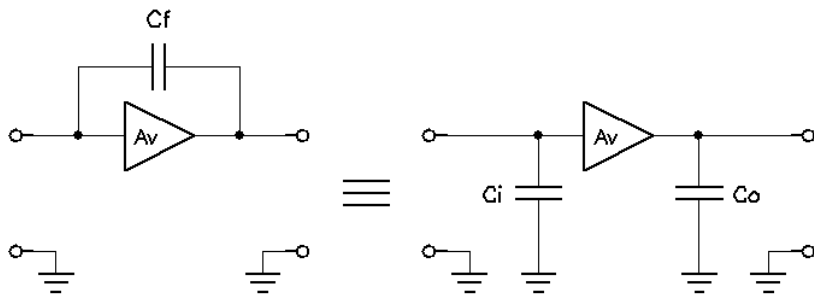
$$Z_i = \frac{Z_f}{1 - A_v} \cong \frac{Z_f}{A_v}$$

$$Z_o = \frac{Z_f}{1 - \frac{1}{A_v}} \cong Z_f$$



$$Y_i = Y_f(1 - A_v) \cong -Y_f A_v$$

$$Y_o = Y_f \left(1 - \frac{1}{A_v} \right) \cong Y_f$$



$A_v < 0$!!!

$$C_i = C_f(1 - A_v) \cong -C_f A_v$$

$$C_o = C_f \left(1 - \frac{1}{A_v} \right) \cong C_f$$