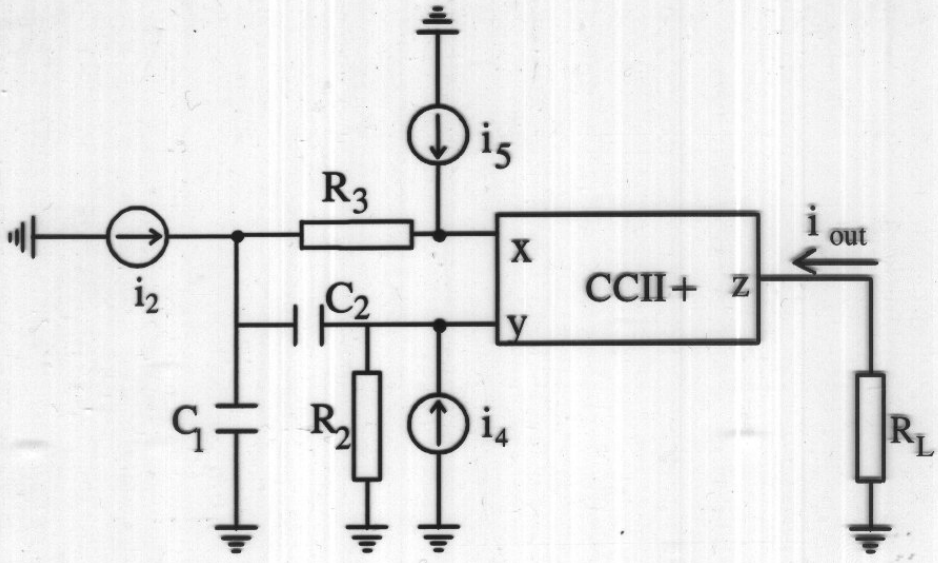


$$\frac{i_{out}}{i_2} = \frac{G_2G_3}{s^2C_1C_2 + s(C_1+C_2)G_2 + G_2G_3} \qquad i_5 = i_4 = 0$$

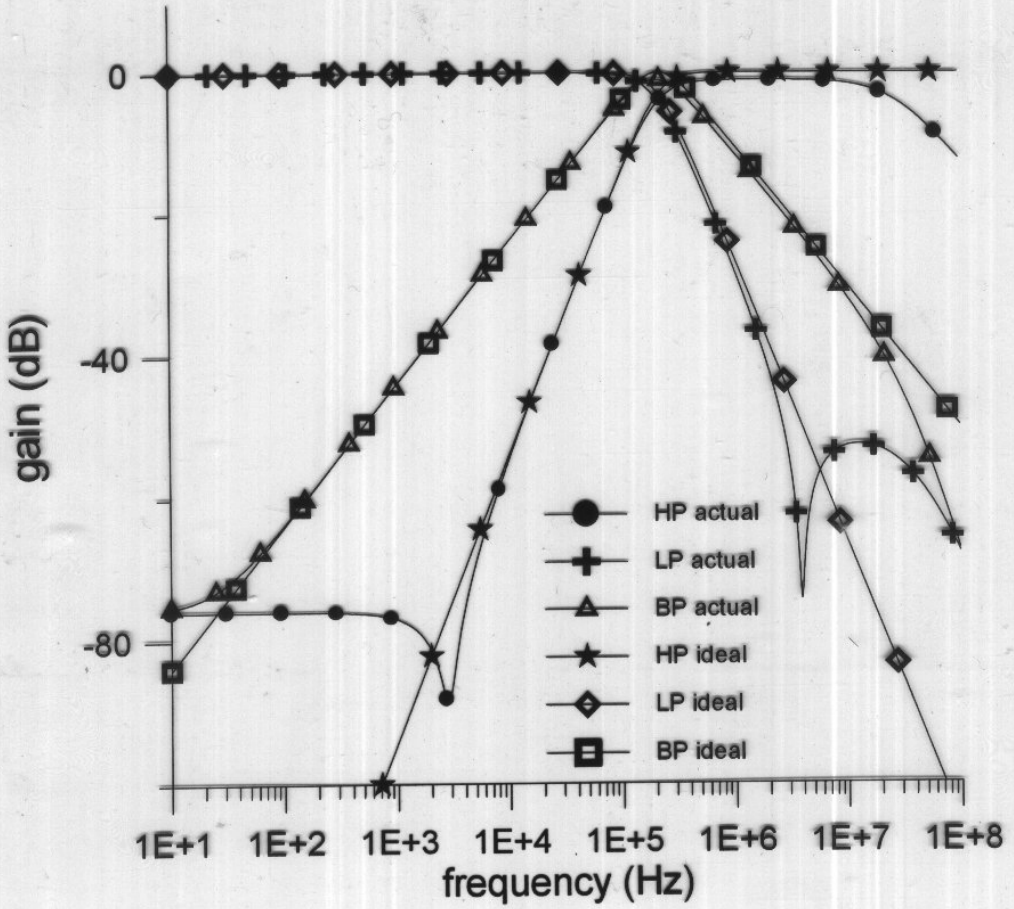
$$\frac{i_{out}}{i_4} = \frac{sC_1G_3}{s^2C_1C_2 + sG_2(C_1+C_2) + G_2G_3} \qquad i_5 = i_2 = 0$$

$$\frac{i_{out}}{i_5} = \frac{s^2C_1C_2}{s^2C_1C_2 + sG_2(C_1+C_2) + G_2G_3} \qquad i_2 = -i_5$$

$$i_4 = i_5\frac{G_2(C_1+C_2)}{G_3C_1}$$

- Kutup açısal frekansı, değer katsayısı

$$\omega_o = \sqrt{\frac{G_2G_3}{C_1C_2}} \qquad Q = \frac{1}{(C_1+C_2)}\sqrt{\frac{C_1C_2G_3}{G_2}}$$



•HP, LP ve BP süzgeç frekans eğrileri