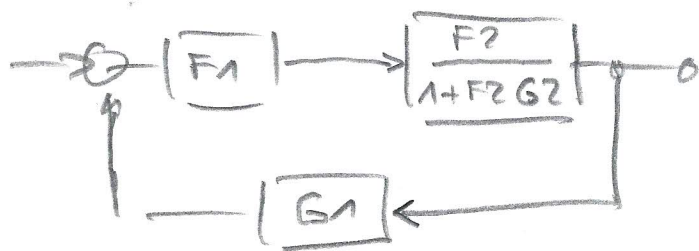


$$H(s) = \frac{V_2}{V_1} = \frac{F_1 F_2}{1 + F_2 G_2 + F_1 F_2 G_1}$$

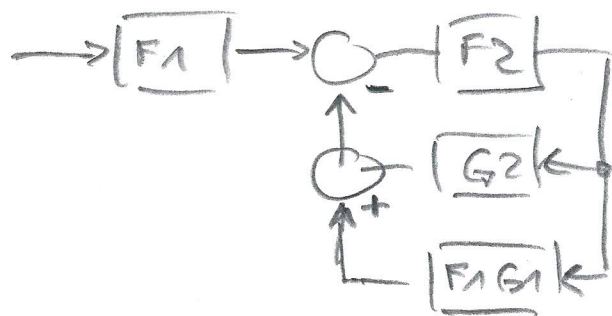
CASE A:



LOOP GAIN

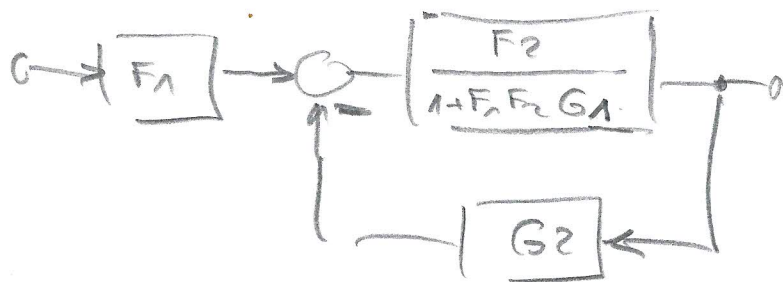
$$L G_A = \frac{F_1 F_2 G_1}{1 + F_2 G_2}$$

CASE B:



$$L G_B = F_2 (G_2 + F_1 G_1)$$

CASE C:



$$L G_C = \frac{F_2 G_2}{1 + F_1 F_2 G_1}$$