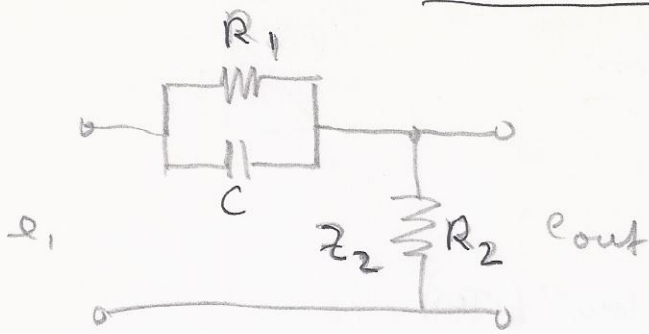


(Z₁)

∴ 50 p131; → 67



$$\frac{1}{Z_1} = \frac{1}{R_1} + \frac{1}{\left(\frac{1}{Cs}\right)} = \frac{1}{R_1} + \frac{R_1 Cs}{R_1} \Rightarrow Z_1 = \frac{R_1}{R_1 Cs + 1}$$

$$Z_2 = R_2$$

$$Z = \frac{Z_2}{Z_1 + Z_2} = \frac{R_2}{\frac{R_1}{R_1 Cs + 1} + R_2} = \frac{R_2}{R_1 + R_2(R_1 Cs + 1)}$$

$$= \frac{R_2(R_1 Cs + 1)}{R_1 + R_1 R_2 Cs + R_2} = \frac{R_2 + R_1 R_2 Cs}{R_1 + R_2 + R_1 R_2 Cs}$$

$$= \frac{R_2}{R_1 + R_2} \cdot \left[\frac{1 + R_1 Cs}{1 + \frac{R_1 R_2}{R_1 + R_2} Cs} \right]$$

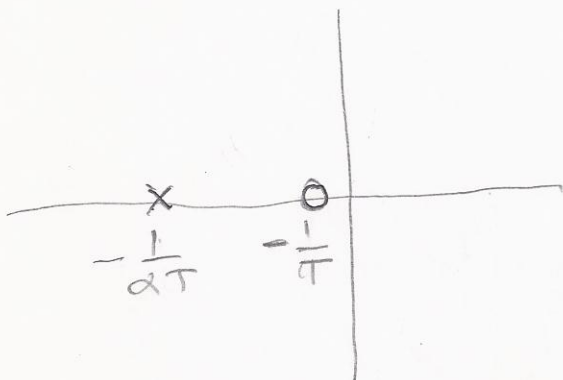
$$= \alpha \cdot \left[\frac{1 + TS}{1 + \alpha TS} \right]$$

$$\alpha = \frac{R_2}{R_1 + R_2}$$

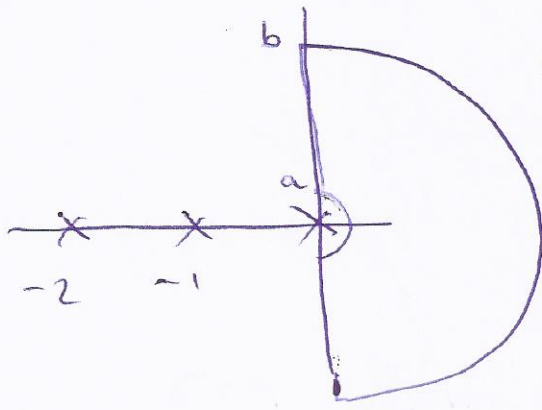
$$T = R_1 C$$

$$0 < \alpha < 1$$

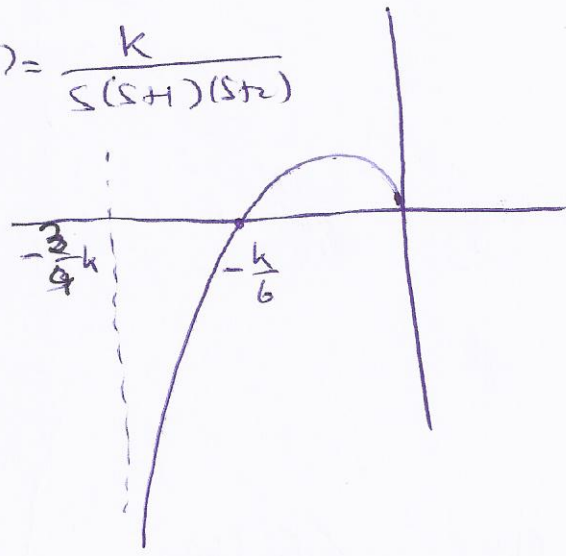
! p131?



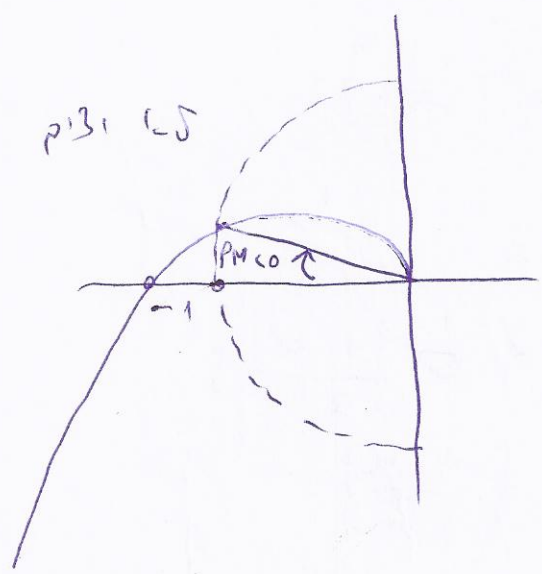
-4-
 = 50 p/3'7 → 0



$$G(s) = \frac{k}{s(s+1)(s+2)}$$

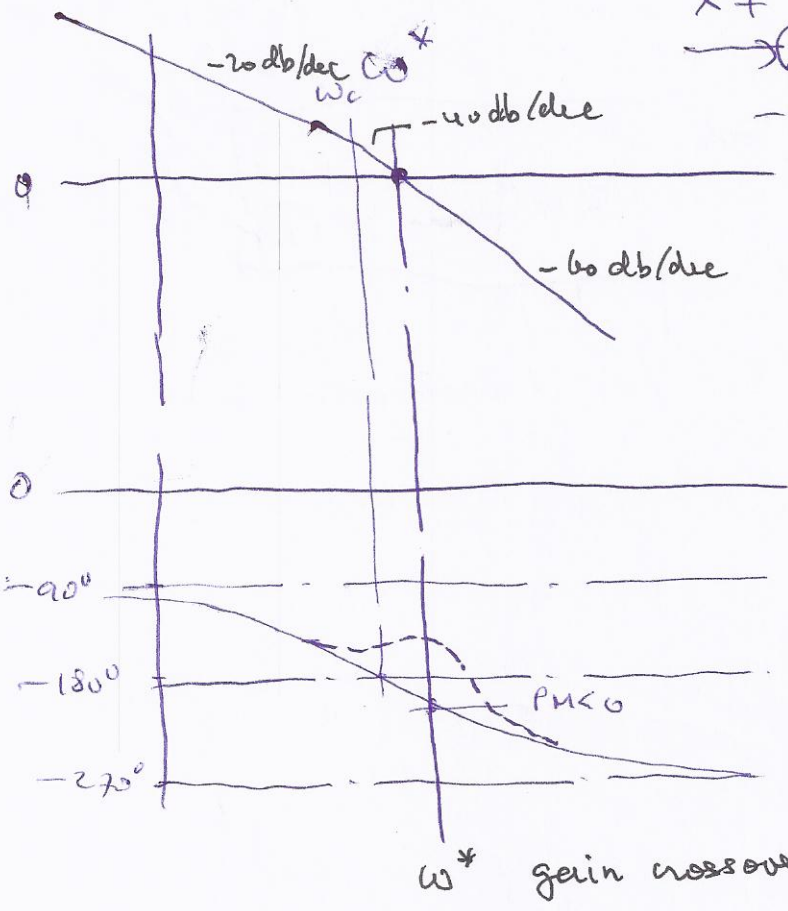
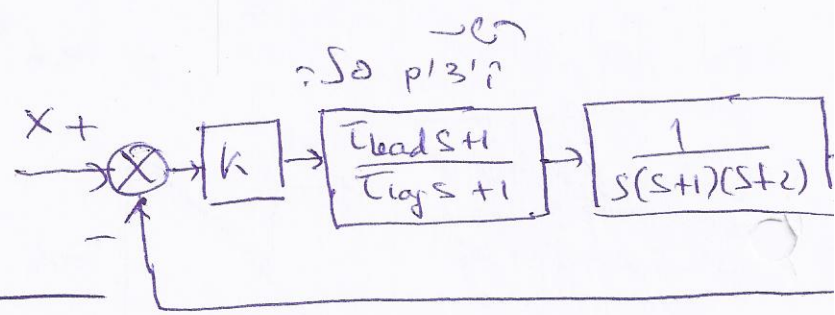


p/31 L5



k=10 p/10/12
 p/10/10 K_v 0/13 10

$$K_v = \lim_{s \rightarrow 0} s G(s) = \frac{k}{2} = 5$$



PM : 50
 K_v p r/10/12