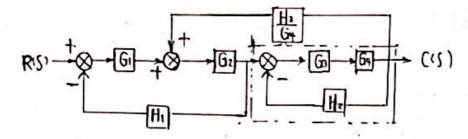
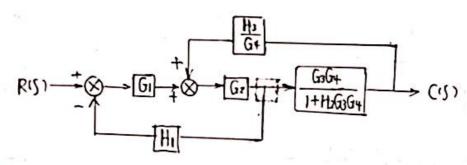
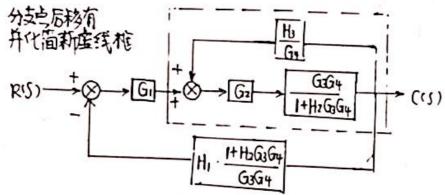


将虚线框中分类与后移河有

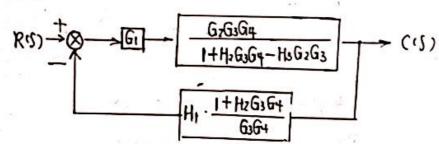


化简虚线框有



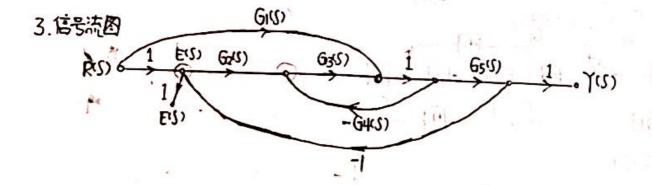


可得



金典性外衛 谭

$$G(S) = \frac{G(S)}{R(S)} = \frac{\frac{G(G)G_3G_4}{1 + H_2G_3G_4 - H_3G_2G_3}}{1 - H_1\frac{1+H_2G_3G_4}{G_3G_4} \cdot \frac{G(G)G_2G_3G_4}{1 + H_2G_3G_4 - H_3G_2G_3}} = \frac{G(G)G_2G_3G_4}{1 + H_2G_3G_4 - H_3G_2G_3 - H_4(1 + H_2G_3G_4) \cdot G(G)}$$



先求Grs=Yrsy/Rrs),共有两条回路,且二者相接触 Δ=1-∑La

$$L_1 = -G_1 (S) G_3 (S) G_5 (S)$$
 $L_2 = -G_3 (S) G_4 (S)$

其有两条前向通路

$$p_1 = 655 \cdot 6355 \cdot 655$$
 $\Delta_1 = 1$

$$\Delta_i = 1$$

$$P_7 = G_1(S) G_5(S)$$

$$\Delta_2 = 1$$

故
$$p = \frac{1}{\Delta} \sum_{k=1}^{n} P_k \cdot \Delta_k$$
 可有 $G(S) = \frac{G(S)G_5(S) + G_2(S)G_3(S)G_5(S)}{1 + G_3(S)G_4(S) + G_2(S)G_3(S)G_5(S)}$

再求 HIST=EIST/RIST, 其柄条回路.与上进一致

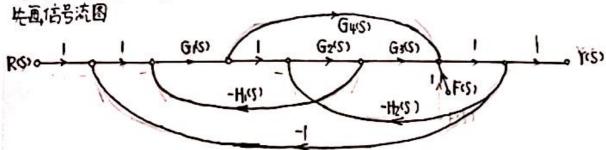
$$\Delta_1 = 1 + G_3(5)G_4(5)$$

$$P_2 = -G_1(S)G_5(S)$$

$$\Delta_2 = 1$$

$$f(x) = \frac{f(y)}{f(y)} = \frac{1 + G_3(y)G_4(y) - G_1(y)G_3(y)G_3(y)}{1 + G_3(y)G_4(y) - G_1(y)G_3(y)G_3(y)G_3(y)}$$

4.FiSi为示统受到干扰、当Gi、Gz、Gz、Gz、Hi、Hz满足什么关系时、YiSi不受FiSi别响·



由题图中有5条回路,由于回路均有接触,则

Δ=1-Σla

对于 $\frac{\gamma(S)}{R(S)}$ 有两条前向通路 $P_{RI}=GI'G_2G_3$, $\Delta_{RI}=I$; $P_{RZ}=GI'G_4$, $\Delta_{RZ}=I$;

$$\frac{\gamma(s)}{2(s)} = \frac{G_1G_2G_3 + G_1G_4}{G_1G_2G_3 + G_1G_4}$$

 $\frac{\gamma(5)}{R^{(5)}} = \frac{G_1G_2G_3 + G_1G_4}{1 + G_1G_4 + G_1G_2G_3 + H_1G_1G_2 + H_2G_2G_3 - H_1H_2G_1G_2G_4} + \frac{1}{1 + G_1G_4 + G_1G_2G_3 + H_1G_1G_2 + H_2G_2G_3 - H_1H_2G_1G_2G_4}$ 由于让了小不受下了。干扰、全一十616让Hi之一,特及了小不受下了,影响,中不了。 GiGzGs+BiGq