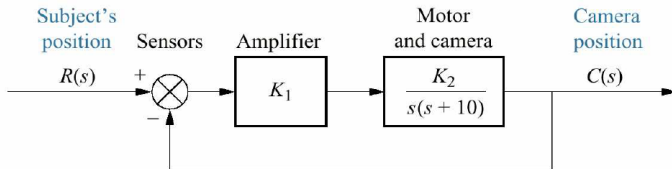


MEM 334: Otomatik Kontrol II

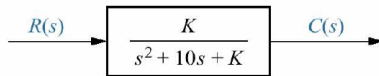
Güz 2023 Ders 3

Dr. Öğr. Üyesi Gökhan Güngör

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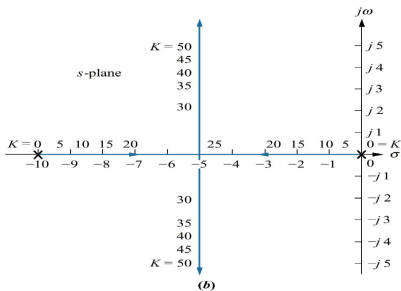
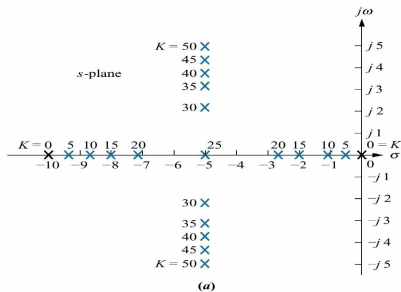


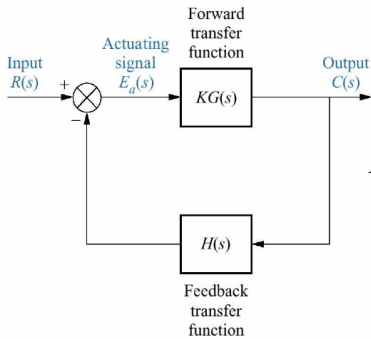
(b)

where $K = K_1 K_2$

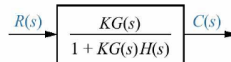
(c)

K	Pole 1	Pole 2
0	-10	0
5	-9.47	-0.53
10	-8.87	-1.13
15	-8.16	-1.84
20	-7.24	-2.76
25	-5	-5
30	$-5 + j2.24$	$-5 - j2.24$
35	$-5 + j3.16$	$-5 - j3.16$
40	$-5 + j3.87$	$-5 - j3.87$
45	$-5 + j4.47$	$-5 - j4.47$
50	$-5 + j5$	$-5 - j5$

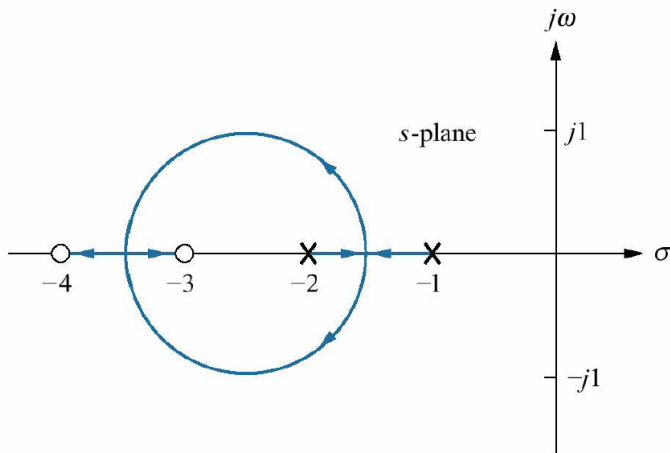


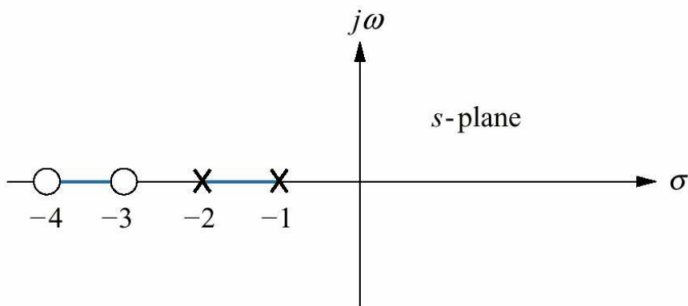


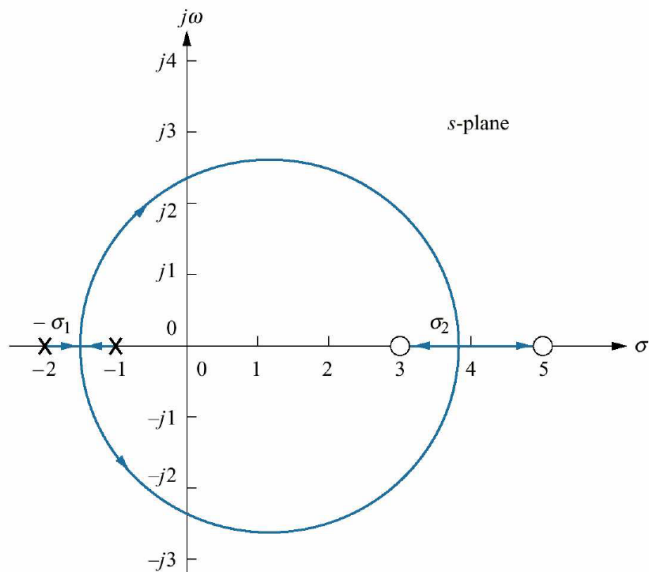
(a)



(b)







$$KG(s)H(s) = \frac{K}{s(s+1)(s+2)}$$

$$G(s) = K \frac{1}{(s+1)(s+2)(s+4)}$$

$$G(s) = K \frac{s + b}{(s + 1)(s + 2)(s + 4)}$$

$$G(s) = K \frac{(s - z_1)(s - z_2)}{s(s + 1)(s + 2)(s + 4)}$$



Referanslar

Bu notlar Prof. Derek Rowella notları kullanılarak hazırlanmıştır. Teşekkür ederim.