Home Work #4

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November 11, 2021

1 Question 1

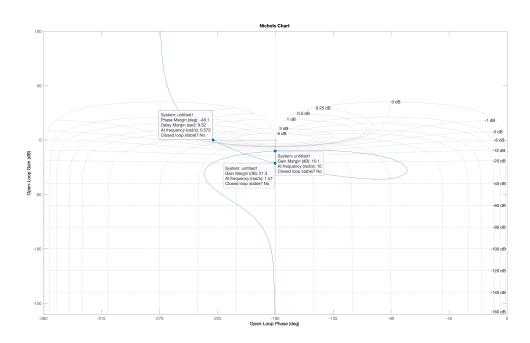
System:

$$G(s) = \frac{(s+1)(s+4)(s+8)}{s^3(s^2+0.2s+100)}$$

1.1 part a

• K = 0.5

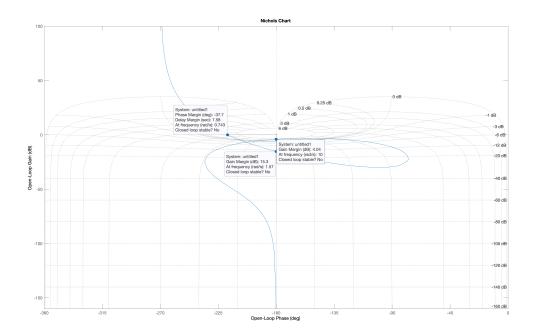
Figure 1: Nichols chart for KG, (K = 0.5)



 \bullet K=1

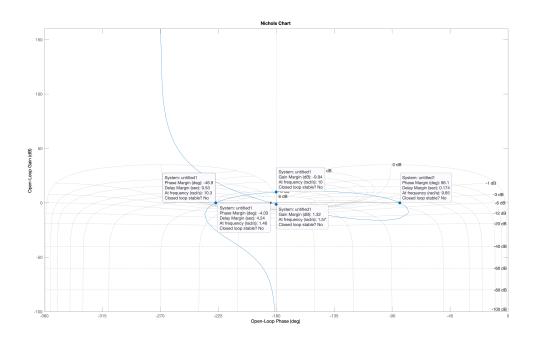
Ali BaniAsad 96108378 1.1 part a

Figure 2: Nichols chart for KG, (K = 1)



• K = 5

Figure 3: Nichols chart for KG, (K = 5)



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