$$1/2$$
 $20\log_{10}(x) = -12.3$

$$\log_{10}(x) = -\frac{12.3}{20}$$

$$\begin{cases} \log_{10}(x) &= -0.615 \\ X &= 10^{-0.615} \\ X &= 0.242661 \end{cases}$$

$$X = 10^{-0.65}$$

Moiron Schmeder Gordoso

3
$$C(b) = K(b+1)$$
 $c G(b) = \frac{-6b-60}{0.6b^2-10}$

$$T(s) = C(s).6(s) = \frac{Cm \cdot 6m}{Cd \cdot 6d} = T(s) = \frac{Cm \cdot 6m}{Cd \cdot 6d + Cn \cdot 6m}$$

$$Cd \cdot 6d + Cn \cdot 6m$$

$$Cd \cdot 6d + Cn \cdot 6m$$

$$T(s) = \frac{K(s+1)(-6s-60)}{S(0.6s^2-10) + K(s+1)(-6s-60)} = \frac{-6ks^2 - 66Ks - 60K}{0.6s^3 - 10s - 6Ks^2 - 66Ks - 60K}$$

$$Q(s) = 0.6s^3 + (-6K)s^2 + (-6K)s^2 + (-6K)s^2 - 66Ks - 60K$$

$$Q(s) = 0.65^3 + (-6K)s^2 + (-10-66K)s - 60K$$

$$3^{3}$$
 0_{16} -10_{-66} -60 -60 0 0 0

$$C_1 = \frac{b_1(-60 \, \text{K})}{b_1} - 0 = -60 \, \text{K}$$

$$-\frac{60 \, \text{K}}{2} = \frac{60 \, \text{K}}{2$$

K, NK2 NK3 ~ - 0, 242424, ...,

Comdição de estabilidade