Gowho cm 
$$W_{N} = 1.667 = V_{0.2}$$
 $Q = 2.7788$ 
 $V_{mox} = \lambda i M \left( \frac{2.7788 - 1}{2.7788 + 1} \right) \approx 28.1^{\circ}$ 
 $W_{M} = 10.1 = \frac{1}{3\sqrt{2.7788}} \Rightarrow 3 \approx 16.83^{-1} = 0.0594$ 
 $f(eq_{1} = \frac{1}{2.7788.16.83^{-1}} = 6.0567$ 
 $f(eq_{2} = \frac{1}{16.83^{-1}} = 16.842$ 
 $G_{C} = \frac{Q_{2}.375 + 1}{35 + 1} = \frac{0.116515 + 1}{0.05937 + 1}$ 

→ O gambe ma frequencia Wor et extroíolo otrovés ala relação Valor desesado (especificação)

$$\frac{10.1}{6.65} = 1.5187 \sim 10 \log_{10}(1.5187) = 1.81499 > 10^{1.81499} = 1.232$$

Posição em rod/s quando C\*6=0dB

$$d/n$$
 quando C\*6=0dB  
 $1,667$   
 $wn = 10^{20}$   $\rightarrow 1,219$ 

$$R(s) = \frac{1}{100} = \frac{1}{100}$$

 $T(s) = 63^2 + 603 + 63 + 60$ 0,6,5 - 10,5+6,52+60,5+6,5+60 Bibo ESTÁVEL

D(0,62-10)+(24)(62+60)

CAICUID do erro ROM (EgiME PERMONDE) 
$$7R(\lambda) = ENTRADA$$

ENTRADA

DEGRAD

 $y(\alpha) = \lim_{\lambda \to 0} x \cdot \frac{1}{1} \left( \frac{1}{1 - 6\lambda^2 + 66\lambda + 60} \right) = 0$ 

ENTRADA

RAMPA

 $y(\alpha) = \lim_{\lambda \to 0} x \cdot \frac{1}{32} \left( \frac{1}{1 - (6\lambda^2 + 66\lambda + 60)} \right) = 0$ 
 $y(\alpha) = \lim_{\lambda \to 0} x \cdot \frac{1}{32} \left( \frac{1}{1 - (6\lambda^2 + 66\lambda + 60)} \right) = 0$ 
 $y(\alpha) = \lim_{\lambda \to 0} x \cdot \frac{1}{32} \left( \frac{1}{1 - (6\lambda^2 + 66\lambda + 60)} \right) = 0$ 
 $y(\alpha) = \lim_{\lambda \to 0} x \cdot \frac{1}{32} \left( \frac{1}{0 \cdot 6\lambda^3 + 6\lambda^2 + 56\lambda + 60} \right) = 0$ 
 $y(\alpha) = \lim_{\lambda \to 0} x \cdot \frac{1}{32} \left( \frac{0 \cdot 6\lambda^3 + 6\lambda^2 + 56\lambda + 60}{0 \cdot 6\lambda^3 + 6\lambda^2 + 56\lambda + 60} \right) = 0$ 
 $y(\alpha) = \lim_{\lambda \to 0} \frac{1}{\lambda \cdot 6\lambda^2 + 56\lambda + 60} = 0$ 
 $y(\alpha) = \lim_{\lambda \to 0} \frac{1}{\lambda \cdot 6\lambda^2 + 56\lambda + 60} = 0$ 
 $y(\alpha) = \lim_{\lambda \to 0} \frac{1}{\lambda \cdot 6\lambda^2 + 56\lambda + 60} = 0$ 

ERRO DE REGINE REMANGINE =  $-\frac{1}{6}$