Aluno: Jogo Costa Disciplina: Sistema de Control I Professora: Leslye Eras Turma: Engenharia da Computação 2018.

1 12 200

Atividades Cop. 05

5.3)

$$Mp = 5\%$$
 $= 0.05$
 $Mp = e^{-(3/\sqrt{1-32})\pi}$

sera 6=0,69

Definindo um rolor máximo para 5% de critério

Assim: = 2 = 2 30 mod/

0,05 = (3/1-32)7 In(0,05) = Ine (3/1-52)7

 $W_n = \frac{4}{1138} = 2.89$

$$\frac{C(h)}{R(h)} = \frac{8,352}{h^2 + 3,988 h + 8,352}$$

5.7 Coeficiente de amortecimento = 0,158 = 3 frequencia notural não omortecida = 3,16 rod/s = Wn 10 N(S+3) = 10 N(S+3) 10 + 5 [10 + 10 (10+5)] MO+5) TO PATINAL 5/2+(13+KKn)15+K $\frac{10}{10+10^2+10} = \frac{10}{10+10}$ 12+(1+10Kn) 11-10 >3,16 Kh = 21K33-B = 210.3.0,5-1 Kn = 2,162 = 0,216 MELLIN VE 了的一样的一个一个人

tempo de pieso (tp) { peak time} =
$$\overline{W}$$

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tempo de acomosoboso (th) (Attling time)

rescurso Asbrurinal (Mp) (Moximum exerchost) = $e^{-(\sigma/Wd)T}$

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 $E = ton^{-1}(\frac{Wd}{\sigma})$
 $E = \frac{2}{2 \cdot \sqrt{36 \cdot 1}}$
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