日期:

3.3 M: P(s) = 5+2 Cms+ wi

① 当 1> 6> 0.707 M.; 2 系统处于广阳尼 特征根为 Sh.=- Sm.zj./1-6

由殿脚七和18mm范围知 实舒5-1.44 虚翻范对值大方0~了0.707



$$3.4$$
 R : ① 书外 建筑 $H(s) = \frac{Y_{(s)}}{R_{(s)}} = \frac{40}{s(\alpha|J+1)}$ 二 井外 极 k : $S_1 = 0$ $S_2 = -10$ $R_{(s)} = \frac{Y_{(s)}}{R_{(s)}} = \frac{k}{1125+11} = \frac{k}{15^2 + 5 + k} = \frac{40}{\alpha 15^2 + 5 + 40} = \frac{400}{5^2 + 105 + 400}$

This is
$$\frac{\pi \cdot \beta}{W_{\text{N}} \int_{-\zeta^{+}}^{\zeta^{+}} \cos \beta \cdot \zeta}$$
 for $\zeta = 0.85$ $\zeta = 2$

$$ts = \begin{cases} \frac{4\pi}{5m_{\text{N}}} & \Delta = 2 \\ \frac{3}{5w_{\text{N}}} & \Delta = 5 \end{cases} = \begin{cases} 0.85 & \Delta = 2 \\ 0.65 & \Delta = 5 \end{cases}$$

$$c_{\text{N}}^{2} = e^{-\frac{\xi \pi}{1-\xi}} \times \log^{2}_{\text{N}} = 44.43\%$$

3.8角 由系统框图得到传递数

$$\frac{1}{|x|} |x| = \frac{|x|}{|x|} \frac{|x|}{|x|} = \frac{|x|}{|x|} =$$

放25Wn=a Wn=k2

$$\begin{cases} t_{p} = \frac{\pi}{|W_{N}| \cdot t_{p}} = 0.8 \\ \sqrt{t_{p}} = \frac{5t_{p}}{|W_{N}|^{2} + 9/2} \end{cases} = \sqrt{t_{p}} \begin{cases} t_{p} = 0.6083 \\ W_{N} = 4.9478 \end{cases} \Rightarrow \begin{cases} k_{2} = 24.4809 \\ 0 = 6.0194 \end{cases}$$