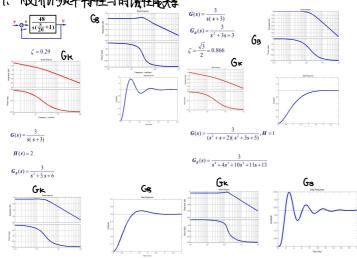
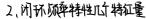
## 闭环对数频率特性经制 单伦友馈 Gk(s)= K SCT,s+1)(T,s+1) GBGW) = 1 K = M(W) ejacm 有等外國、等N國、Nicholc更法、不作要於 闭环频率等性频域性能指标 1、一般闭环频率特性与时城性能杀





① **室**频值\_ Mo:M(0)

与时城洲环境态值对应 / \(0)=ke (20lqke)

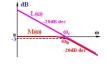
包谐振频率Wr和谐振峰值Mr 二阶2阻尼系统有 Wr= Wn 7-24\*, Mr= 33

③带冤频率Wr:Mcw)下降到O.ToTM(O)对应的频率值,用Wb麸

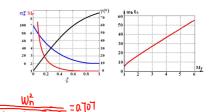
3.闭环频率特性 | 新星与性能指标的彩

①-附系统 G(s)=1 GB(s) HTS

 $W_c = \frac{1}{T}$ ,  $W_b = \frac{1}{T}$ ,  $W_c = 3T = \frac{3}{W_c} = \frac{3}{W_b}$ ②=竹手係 GB(S)= 52+25WntWn



Wr=Wn 11-28 28/1-2 (3<0,707) ts====



③高阶系统 Mr ≈ sint

$$\sigma_{p}\% = [0.1b + 0.4 (M_{r} - 1)] \times |00\%$$

$$t_{s} = \frac{\pi}{W_{c}} [2 + |.5 (M_{r} - 1) + 2.5 (M_{r} - 1)^{2}] C | \leq M_{r} \leq |.8 \rangle$$

$$\sigma_{p}\% = [0.1b + 0.4 (\frac{1}{\sin r} - 1)] \times |00\%$$

$$t_{s} = \frac{\pi}{W_{c}} [2 + |.5 (\frac{1}{\sin r} - 1) + 2.5 (\frac{1}{\sin r} - 1)^{2}] C \leq \cdot (7 \leq 90^{\circ})$$

482+484 M(Wb)=