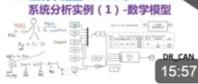
## 自动控制原理 4

## 燃烧卡路里 — (2) tt例控制. Propertional Control





## 数各模型. 稳定性分析

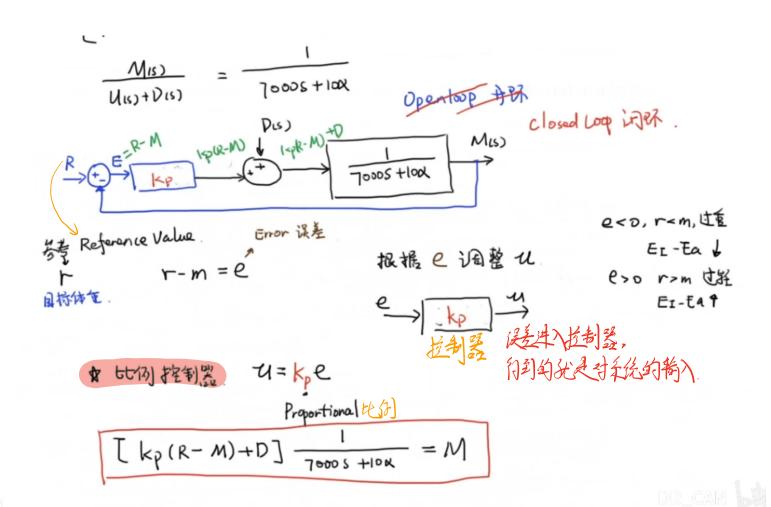
C=6.25h - 5a + 5 性格

$$\dot{m} = \frac{1}{7000} \left( E_L - E_a - 10 \times m - \alpha C \right)$$
位在 公司 (  $E_L - E_a - 10 \times m - \alpha C$  )  $C = 6.25h - 5a + 5$  性的态度

描出 Dut put: m

新入 Input: U= Ez-Ea 扰动 Disturbance: d=-&C 提力

[70005 + 10x] M(s) = U(s) + D(s)



毅的 P和口不到 M产生影响,例:

$$R = \mathcal{L}[r] = \frac{r}{6}$$

$$D = \mathcal{L}[d] = \frac{d}{6}$$

$$M = \frac{\frac{kpr}{6} + \frac{d}{5}}{\frac{70005 + loatkp}{3}} = \frac{kpr + d}{5(70005 + loatkp)}$$

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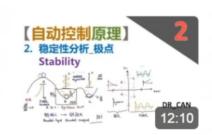
$$k_{p}R + D = \lfloor 1900 S + 10 R + R_{p} \rfloor^{r} \rfloor$$

$$M = \frac{k_{p}R + D}{1900S + 10 R + R_{p}} \qquad MRRA \rightarrow 86, < D$$

$$\sqrt{1900} + \sqrt{1900} + \sqrt{190} + \sqrt$$

毅的 R和 D 不全对 M产生影响,例:

$$M = \frac{\frac{kpr}{6} + \frac{d}{s}}{\frac{7000s + loatkp}{1000s + loatkp}} = \frac{kpr + d}{\frac{5}{5}(\frac{7000s + loatkp}{1000s + loatkp})}$$

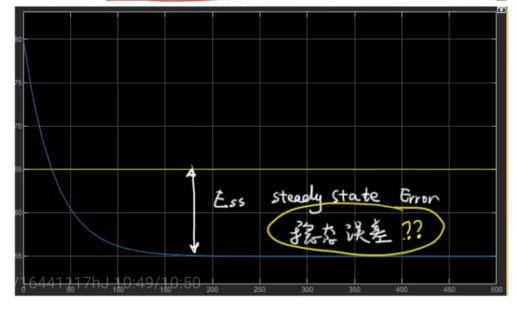


$$\Rightarrow m_{41} = \frac{10x - kp}{1000}$$

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性别		当前体重 m (kg)	身高 h (cm)	年龄 a	消耗系数 α
男	65	80	175	20	1.3



u=kpe 磁端隐载 需要新控制器

船鉄膘.

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dh