I. η(t) 的 α, β, γ, κ, τ 公式

$$\frac{1}{4} = \frac{1}{4} = \frac{1}{1} = \frac{1}$$

$$a(t) = \frac{r'(t)}{|r'(t)|}$$

$$\gamma(t) = \frac{\gamma'(t) \times \gamma''(t)}{|\gamma'(t) \times \gamma''(t)|}$$

$$\beta = \alpha x \gamma$$
 (复杂的那个).

$$T(t) = \frac{(\gamma'(t), \gamma''(t), \gamma'''(t))}{|\gamma'(t) \times \gamma''(t)|^2}$$

$$k(t) = \frac{\gamma'(t) \cdot \gamma''(t)}{|\gamma'(t)|^{\beta}}$$

(ei.ei) =0 PR

2. 方程的待定系数法。(Pin 课本) (对特定点进行展升)、 本质仍是计算保 § 3. 2. 2 ? 长对应、 § 3. 3. 5 ~ § 3. 5 3 ~ 3. 几类常見曲面参方与正则曲面片(章三、双距)和图) § 4.1 5 ~ 4. 了的形式的应用 $\frac{\partial (u,v)}{\partial (\tilde{u},\tilde{v})} = \begin{pmatrix} \frac{\partial u}{\partial \tilde{v}} & \frac{\partial v}{\partial \tilde{v}} \\ \frac{\partial u}{\partial v} & \frac{\partial v}{\partial v} \end{pmatrix}. \qquad \S4.2 \quad 4 \quad (3)$

$$\frac{\partial (u, v)}{\partial (\widetilde{u}, \widetilde{v})} = \begin{pmatrix} \frac{\partial u}{\partial \widetilde{v}} & \frac{\partial v}{\partial \widetilde{v}} \\ \frac{\partial u}{\partial v} & \frac{\partial v}{\partial v} \end{pmatrix}$$

参见的主曲中求法 法曲章: ——.

人格与曲面初切。

8. 斩伸与斩缩线的方程

$$\alpha_1 \cdot \frac{ds}{ds} = (1 + \lambda \kappa(s)) \alpha(s) + \lambda T \gamma$$

L= 2.
$$\alpha_1 \cdot \alpha \mid \frac{ds}{ds} = 1 + \lambda k ls = C.$$

$$\Rightarrow \frac{dS}{dS} = \sim = C \Rightarrow \lambda k + \mu T = 1$$

$$\begin{aligned}
\mathbf{r}_{1}' &= \mu \mathbf{I} \alpha + \lambda \mathbf{t} \gamma = \alpha_{1} \\
&= \frac{\mu}{\sqrt{\lambda_{1}^{2} + \mu^{2}}} \alpha + \frac{\lambda}{\sqrt{\lambda_{2}^{2} + \mu^{2}}} \gamma
\end{aligned}$$

$$\frac{d\mathbf{r}_{1}}{d\mathbf{s}} \frac{d\mathbf{s}}{d\mathbf{s}} = \sim \beta. (s).$$

- 曲线倡⇔λk+ μt=1:清量,两个常数作化(光份孔时把TIS) 当一般结底)
- 12. 球面曲线 ⇔~: 待定系数法 (左右乘 α、β、 ↑).

$$k_1 \cos^2 \theta + k_2 \cos \sin^2 \theta = kn \checkmark$$

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$$\Rightarrow$$
. $T_2 = \Upsilon_1 + \lambda \beta$ $\lambda \not\equiv C$

$$\alpha_2 \frac{d\hat{s}}{ds} = \alpha_1 + \lambda \beta + \lambda (\sim \beta).$$

$$\left(\frac{d\widetilde{s}}{ds}\right)^2 = \left(1 + \lambda k\right)^2 + \lambda^2 \tau^2$$

$$\frac{C.}{\alpha_1 \alpha_2} \frac{ds}{ds} = 1 - \lambda k.$$

$$\frac{1}{\sqrt{(1-2k)^2+\lambda^2 v^2}} = \frac{1-ak=0.1}{\sqrt{(1-2k)^2+\lambda^2 v^2}}$$

$$\alpha_{1} = \frac{\gamma_{1}'}{|\gamma_{1}'|} = \frac{\mu}{\sqrt{\lambda^{2} + \mu^{2}}} \alpha + \frac{\lambda}{\sqrt{\lambda^{2} + \mu^{2}}} \gamma$$

$$\frac{d\alpha_1}{ds} \frac{d\tilde{s}}{ds} = \frac{\mu k}{\sim} \beta + \frac{\lambda T}{\sim} \beta.$$