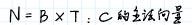
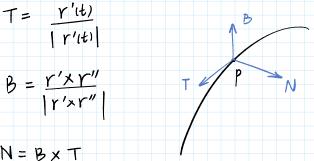
3-d case

Frenet - Serret



成() (t), T. N. B 为曲线 C上 rit) 处的 Frenct 标架

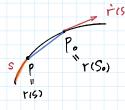
$$B = \frac{\Gamma' \times \Gamma''}{|\Gamma' \times \Gamma''|}$$



3瓜长号数下的 Frenct 标架

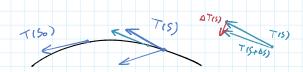
对亚则曲线C,总可取弧长作为考数,r=r(s). 在比情景2下, C上音点的 Frenet 标架怎样求?

(i) 切向是 tangent vector



$$\int_{P_{0}}^{r(S_{0})} \int_{S^{2}S_{0}}^{r(S_{0})} \frac{r(S) - r(S_{0})}{|S|} \int_{S^{2}}^{r(S_{0})} \frac{1}{|S|} \frac{r(S_{0}) - r(S_{0})}{|S|} \int_{S^{2}}^{r(S_{0})} \frac{1}{|S|} \frac{r(S_{0})}{|S|} \frac{r(S_{0})}{|S|} \int_{S^{2}}^{r(S_{0})} \frac{1}{|S|} \frac{r(S_{0})}{|S|} \frac{r(S_{0})}{|S|} \frac{r(S_{0})}{|S|} \int_{S^{2}}^{r(S_{0})} \frac{r(S_{0})}{|S|} \frac{r(S_$$

(ii) 主法向量



$$b = \frac{\ddot{r}(s)}{|\ddot{r}(s)|}, B = T \times N$$