U会突变,会抖动会鬼畜,原因有二:

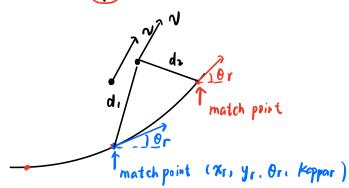
- O Br 发生了实更
- ② 规划曲线 K发生了实变
- ③ 侧偏侧底 Cf, Cr发生了突变 (真实)

$$ed = (\vec{x} - \vec{x_1}) \cdot \vec{n_r} \qquad \vec{n_r} = \begin{pmatrix} -\sin\theta_r \\ \cos\theta_r \end{pmatrix}$$

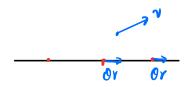
$$\vec{h_r} = \begin{pmatrix} -\sin\theta r \\ \cos\theta r \end{pmatrix}$$

$$e\varphi = \varphi - \varphi r$$

$$e\dot{q} = \dot{q} - kappa \cdot \frac{v_{\chi} \cos(q-\theta_{r}) - v_{y} \sin(q-\theta_{r})}{1 - kappa \cdot ed}$$

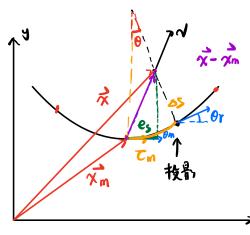


当匹配品切换时,0r会发生突变,从而导致 en 突变,这就是转弯时抖动的根源



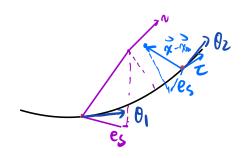
解决办法:①视划的密-些 X

apollo



in θr=θn+ 会 sk.es

Or=Ont K.es



es会随着运动而不断变化 0v也会不断变化 (不一流)·2 CD

のフタ es 養成负的

( a )