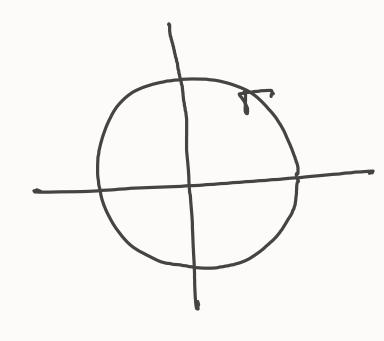
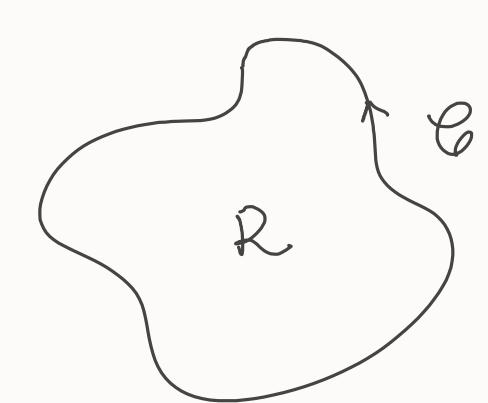


- · Kecomo autihoraria-
- . Leono horawanent.

T: [a,b] -> 6 ma parau. régulor Indua ma orientación.

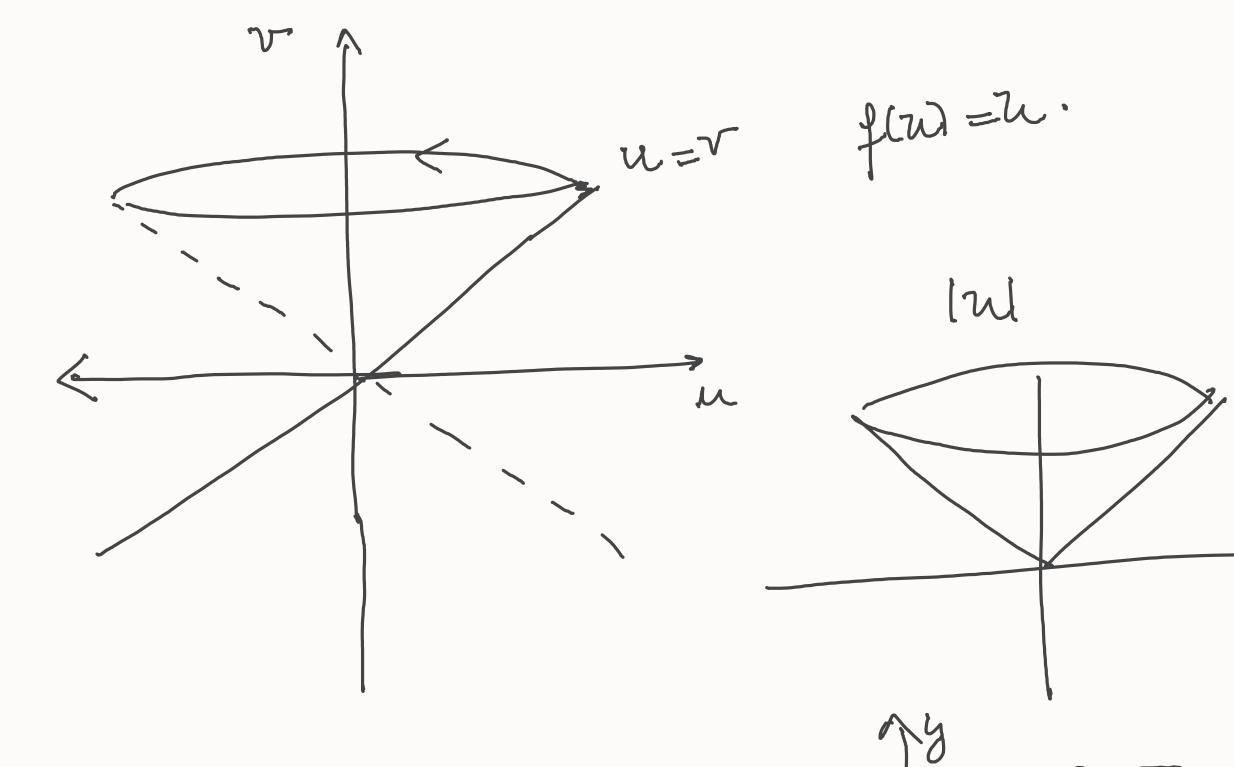


$$\vec{\sigma} = \sigma(2\pi - t) \quad \vec{\sigma} : [0, 2\pi] \longrightarrow \mathbb{R}^2$$



$$T = (P, Q)$$
 6 def. on \mathbb{R}^2

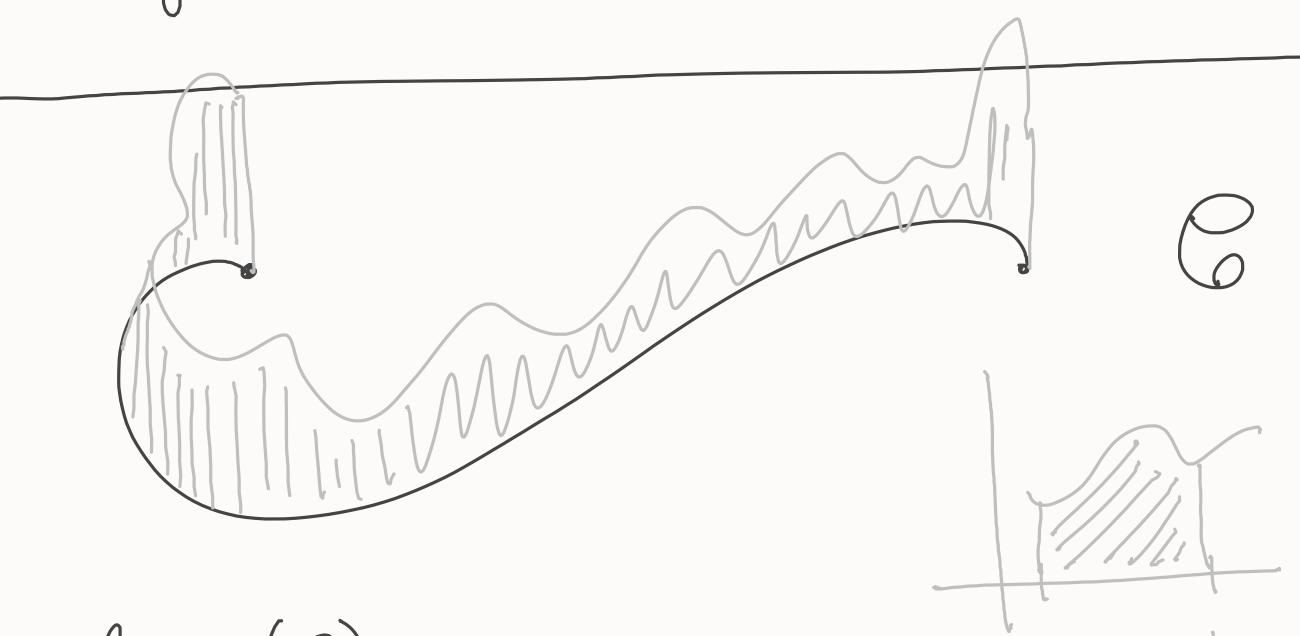
Green:



$$\begin{cases} X = \cos^{3}(\Theta) \\ y = \sin^{3}(\Theta) \end{cases}$$

$$X = \sin^{3}(\Theta) = 1.$$

$$770$$
 $y^{2/3} = 1 - x^{2/3}$
 $y^{3/2}$
 $y^{3/2} = (1 - x^{2/3})^{3/2}$



- . long (6)
- · Integrar f: & IPds
 - · integra F: 6 DR (BERZ)

J: [a,6] - & 6 parame. regular. - long (6) = JHJ'(+)Hdt. $-\int_{\mathcal{C}} f ds = \int_{\mathcal{C}} f(\tau(t)) \cdot ||\tau'(t)|| dt$ - JFJs = J(F(J(H), J(H)) dt) Consideramy eu Coma orientación. en Sup. Sima Sup. y T:DCR2-123
param. regular de S. virace (S), f.ds, f.dS. árca(S) = J) II Tu x Tr/I dudv of: $S \rightarrow IR$, $f(T(u,r)) \cdot IITuxIvI dudr$ JFd3 = J(F(T(u,r)), TuxTv) dudr 3 · F:S _ D3, Twx Iv= Stieue 9 teuer moorient. Sob q' TuxTr(u,r) Co la dodo X T