## LE ZIONE 12

$$\begin{cases} \{0\} = C(1) + \frac{1}{K(1)} (\cos 10) \cdot \frac{1}{K(1)} \\ \text{ (in this)} \end{cases}$$

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b' = ku ~> K3/12" 11>0 Egusioni in madel v1 = - K + 2 B Frank <u>l' = - 2 n</u> ma postero overe (eyro  $l^{\circ}$  prom exculstru  $\langle \frac{t}{2}, \frac{n}{2} \rangle$ pione rettificante < t, b > p. en nomb og wletou < h / 6 > pien osculator offine d/t) + < t, u> Certhio of culator office store founder com sopre: Contemb rol poro escelatore

CURVE in R3 e velocità qual siasi)  $2: I \longrightarrow \mathbb{R}^3$   $\mathcal{E}$   $\mathcal{L}', \mathcal{L}'' son$   $\mathcal{L}' \longrightarrow \mathcal{L}' \longrightarrow \mathcal$  $3: \mathcal{F} \longrightarrow \mathbb{Z}^3$   $s \longmapsto (3cs)$ li poson. a volocité

remitorie

0:61->5

Con 0 di feom di

clesse & Sie d = (3 2 D Prop Se 2/2" linearmente indépendent!
posto trovou reme bore du Frénet: | = 21 |12'11 |N = 13 × 11 K=11 1 × 2"11 (1 2 h 3 T = (2(x2)). 211 B = 1 × 1" 11 2 x 2"112 112 × 2" 11 OSI Pel coop di curve in IR2 si possono trovon della formula im mer gensle in IRS S: puro allora travare bore of French ise L'(t) +0

L men e velocité unitare 2/2/2/ Longo mo Cose le monientote ble lose Conovice  $\Rightarrow B = \begin{pmatrix} b \\ 0 \end{pmatrix} \Leftrightarrow k > 9$ se {2',2'} mon fomo une bose equirientoto de conorio => 1B=(0) (=> 12 co

AD EST MPIO L'ALTRA VOLTA AVEVAND: hzs o  $K^{z} = \frac{1}{2} \quad \text{Come curve in } \mathbb{R}^{3}$   $= \frac{0}{2} \cdot \mathbb{R}^{1} \quad \text{Come curve in } \mathbb{R}^{3}$   $= \frac{0}{2} \cdot \mathbb{R}^{1} \quad \text{Come curve in } \mathbb{R}^{3}$   $= \frac{0}{2} \cdot \mathbb{R}^{1} \quad \text{Come curve in } \mathbb{R}^{3}$   $= \frac{0}{2} \cdot \mathbb{R}^{1} \quad \text{Come curve in } \mathbb{R}^{3}$   $= \frac{0}{2} \cdot \mathbb{R}^{1} \quad \text{Come curve in } \mathbb{R}^{3}$   $= \frac{0}{2} \cdot \mathbb{R}^{1} \quad \text{Come curve in } \mathbb{R}^{3}$   $= \frac{0}{2} \cdot \mathbb{R}^{1} \quad \text{Come curve in } \mathbb{R}^{3}$   $= \frac{0}{2} \cdot \mathbb{R}^{1} \quad \text{Come curve in } \mathbb{R}^{3}$   $= \frac{0}{2} \cdot \mathbb{R}^{1} \quad \text{Come curve in } \mathbb{R}^{3}$   $= \frac{0}{2} \cdot \mathbb{R}^{1} \quad \text{Come curve in } \mathbb{R}^{3}$ => curvoture positione come curvain R.

E ST LA CUR VATURA CAMERIANTS (3)

A: STGNO?

Y = (cont)

(2)

$$117 = (cont)$$
 $(cont)$ 
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$$|X| = |X| \times |X| = |S \ln t |$$

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$$|S \ln t |$$

Esercizio 2. Per ogni  $n \ge 1$  intero, definire  $C_n = \{(1/n, y)|y \in [0, 1]\}$ ,  $J = \{(x, 0)|x \in [0, 1]\}$ ,  $K = \{(0, 1)\}$ ,  $X = J \cup K \cup (\cup_{n \ge 1} C_n)$ . Mostrare che X è connesso ma non è connesso per archi.





