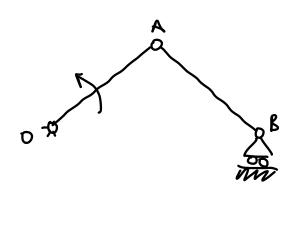
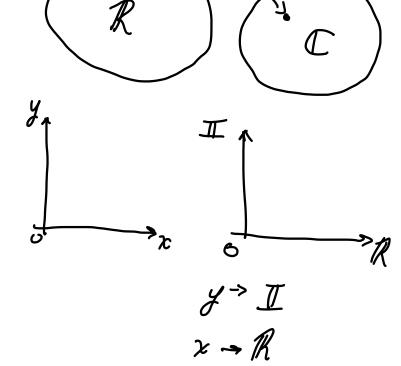
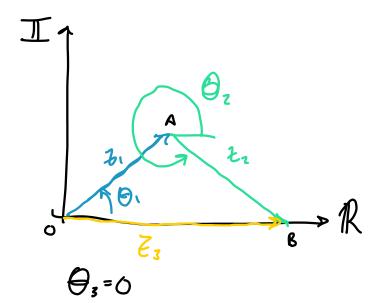
Escritarione 10 -





$$\bar{z} = Ze^{i\theta}$$
 $\bar{z} = \bar{b} \left(\omega \delta \theta + i \sin \theta \right)$



$$\vec{z}_{i} + \vec{z}_{z} = \vec{z}_{3}$$

$$\vec{z}_{i} e^{i\theta_{i}} + \vec{z}_{2} e^{i\theta_{2}} = \vec{z}_{3} e^{i\theta_{3}}$$

$$\vec{z}_{i} e^{i\theta_{i}(t)} + \vec{z}_{2} e^{i\theta_{2}(t)} = \vec{z}_{3} (t)$$

$$\dot{\Theta}_{1} = \omega$$
 $\dot{\Theta}_{1} = 0$

2 incognite va bene perchi una « nella parte veale una vella pointe un maginonia

$$\theta_1 \left(\cos \theta_1 + i \sin \theta_1 \right) + \theta_2 \left(\cos \theta_2 + i \sin \theta_2 \right) = \xi_3$$

bigint, +32 sin 02=0 → Posiamo travare Oz

$$\theta_1 \Rightarrow \theta_2 \rightarrow \epsilon_3$$

$$> \sin\theta_z = \frac{-3}{7} \sin\theta_1 \Rightarrow \theta_z = \arcsin\left(\frac{-2}{7} \sin\theta_1\right)$$

$$\begin{cases} -4_1 \sin \theta_1 \dot{\theta}_1 - 4_2 \sin \theta_2 \dot{\theta}_2 = 2 \\ -4_1 \cos \theta_1 \dot{\theta}_1 + 4_2 \cos \theta_2 \dot{\theta}_2 = 0 \end{cases}$$

Per programmi di possono usare le matrici

$$\begin{bmatrix}
\frac{1}{2z} \sin \theta_z & 1 \\
-\frac{1}{3z} \cos \theta_z & 0
\end{bmatrix}$$

$$\begin{bmatrix}
\dot{\theta}_z \\
\dot{\delta}_3
\end{bmatrix} = \begin{bmatrix}
-\frac{1}{2} \sin \theta_i \dot{\theta}_i \\
\frac{1}{2} \cos \theta_i \dot{\theta}_i
\end{bmatrix}$$

Fermino

Noti

Temini incogniti

for
$$n:1:36$$

$$A = \begin{bmatrix} 1 & 1 & 1 \\ 2 & 1 & 1 \end{bmatrix} - \frac{1}{2} \cos \theta_{2,0}$$

$$f = \begin{bmatrix} -\frac{1}{2} \sin \theta_{1} \dot{\theta}_{1}, & \frac{1}{2} \cos \theta_{1}, & \frac{1}{2} \cos \theta_{2} \\ & & \end{bmatrix}$$

$$K = inv(A) \cdot f$$

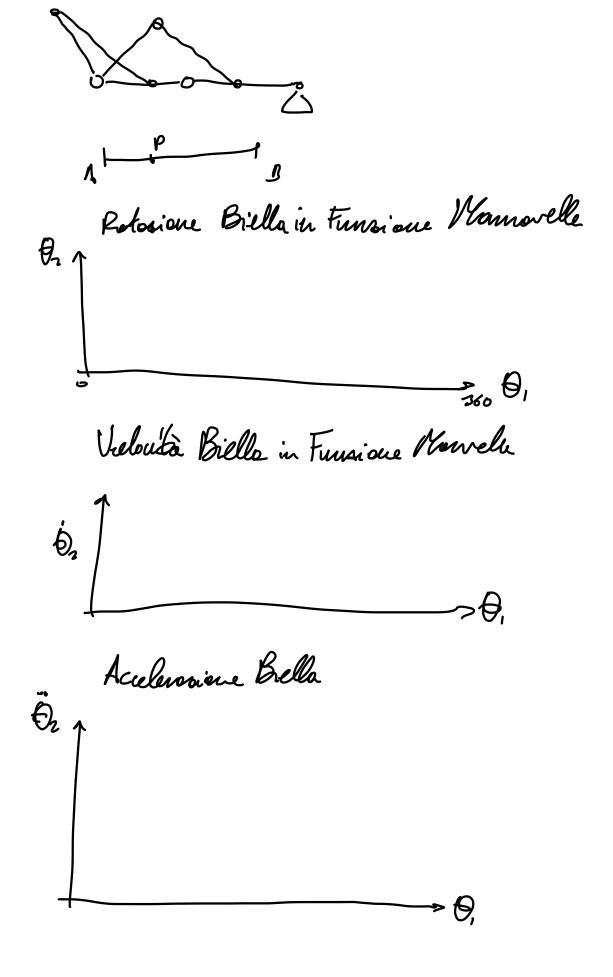
$$\int_{0}^{\infty} \left\{ \begin{array}{c} z_{2} \sin \theta_{2} \dot{\theta}_{2} + \dot{z}_{3} - 4_{1} \sin \theta_{1} \dot{\theta}_{1} \\ -z_{2} \cos \theta_{2} \dot{\theta}_{2} = z_{1} \cos \theta_{1} \dot{\theta}_{1} \end{array} \right.$$

$$\frac{\partial^{2} \partial_{z} \partial_{z} \partial_{z} \partial_{z}^{2} + \partial_{z} \sin \theta_{z} \partial_{z}^{2} + \partial_{z} \partial_{z}^{2} + \partial_{z}^{2} = -\partial_{z} \cos \theta_{z} \partial_{z}^{2} - \partial_{z} \sin \theta_{z} \partial_{z}^{2} - \partial_{z} \cos \theta_{z} \partial_{z}^{2} = -\partial_{z} \sin \theta_{z} \partial_{z}^{2} + \partial_{z} \cos \theta_{z} \partial_{z}^{2}$$

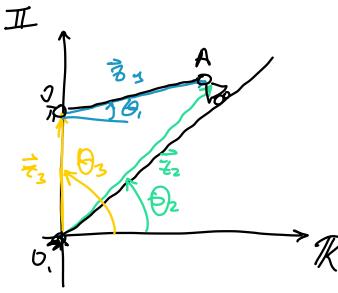
$$\frac{\partial}{\partial z} \sin \theta + \frac{\partial}{\partial z} = -\partial_{1} \cos \theta + \frac{\partial}{\partial z} - \partial_{2} \cos \theta + \frac{\partial}{\partial z} - \partial_{2} \cos \theta + \frac{\partial}{\partial z} - \partial_{3} \cos \theta + \frac{\partial}{\partial z} - \partial_{4} \cos \theta + \frac{\partial}{\partial z} - \partial_{5} \cos \theta + \frac{\partial}{\partial z} = -\partial_{5} \sin \theta + \frac{\partial}{\partial z} + \partial_{5} \cos \theta + \frac{\partial}{\partial z} - \partial_{5} \sin \theta + \frac{\partial}{\partial z} + \partial_{5} \cos \theta + \frac{\partial}{\partial z} - \partial_{5} \sin \theta + \frac{\partial}{\partial z} + \partial_{5} \cos \theta + \frac{\partial}{\partial z} - \partial_{5} \sin \theta + \frac{\partial}{\partial z} + \partial_{5} \cos \theta + \partial_{5} \cos \theta + \frac{\partial}{\partial z} + \partial_{5} \cos \theta + \partial_{5} \cos \theta$$

$$\begin{bmatrix} z_{2} \sin \theta_{1} & 1 \\ -z_{1} \cos \theta_{1} & 0 \end{bmatrix} \cdot \begin{bmatrix} \dot{\theta}_{2} \\ \dot{z}_{3} \end{bmatrix} = \begin{bmatrix} -z_{1} \cos \theta_{1} \dot{\theta}_{1}^{2} - z_{1} \sin \theta_{1} \dot{\theta}_{1}^{2} - z_{2} \sin \theta_{2} \dot{\theta}_{1}^{2} \\ -z_{1} \sin \theta_{1} \dot{\theta}_{1}^{2} + z_{2} \cos \theta_{1} \dot{\theta}_{1}^{2} - z_{2} \sin \theta_{2} \dot{\theta}_{2}^{2} \end{bmatrix}$$

Come prime



Benizio 2



$$z_2(t)e^{i\theta_2(t)}$$
 $z_1e^{i\theta_1(t)}$ $z_3e^{i\theta_3}$

Z. cos Oz + i 2 siu Oz = Z2 cos O, + iZ, siu O, + iZ3

Re
$$\mathcal{E}_{2}$$
 cos \mathcal{E}_{2} = z_{1} cos \mathcal{E}_{1}
 \mathcal{E}_{2} sinc \mathcal{E}_{2} = z_{1} shub, + z_{2}

$$z = \sqrt{\xi_1^2 + \xi_3^2 + 2\xi_1 \xi_3 \sin \theta_1} \qquad \theta_2 = \arctan\left(\frac{\xi_1 \cos \theta_1}{\xi_2}\right)$$

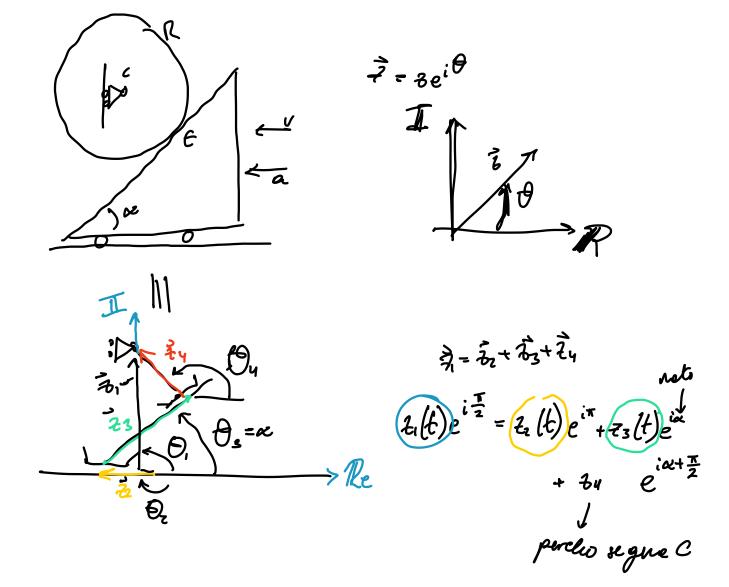
Convaione glits

Selocito ougetone gli les

Accelerane augolone
plife

3 contante con Ovaniabile

\$\frac{2}{4} = \frac{2}{2}(t) e^{i\theta_t}(t)



Se regliaux harare la vllowtà angeloire del disco?

$$z_3(t) \rightarrow \frac{\dot{z}_3}{3} = \omega_{\alpha}$$