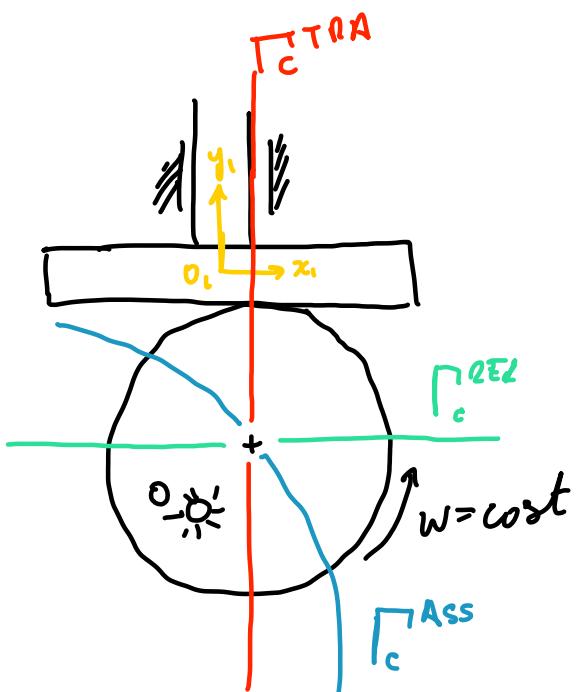


Esercitazione 6-

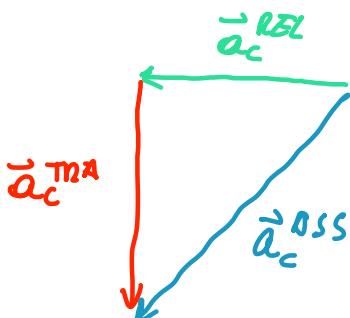
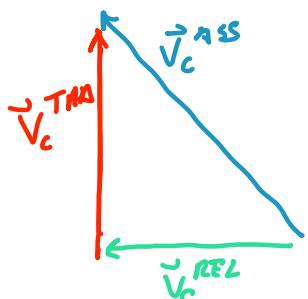


$$\vec{v}_c^{\text{ASS}} = \vec{v}_c^{\text{REL}} + \vec{v}_c^{\text{TRA}}$$

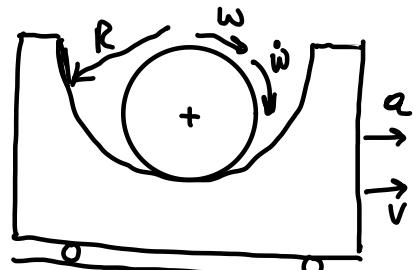
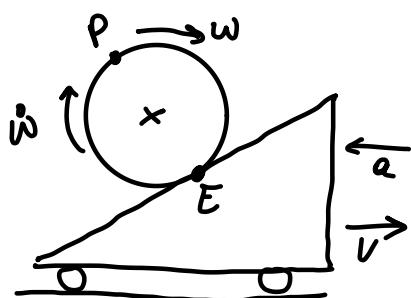
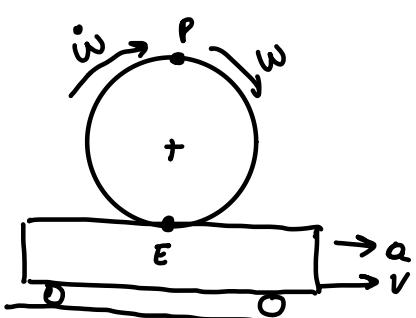
woc ? ?

Loc // Rif
Piatello VERT

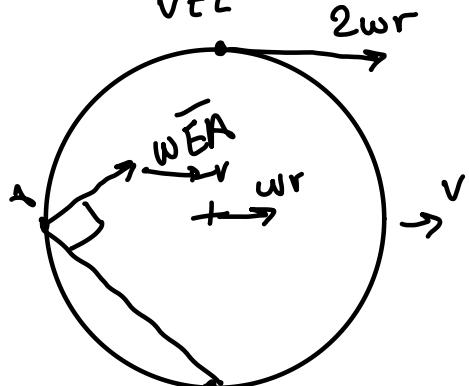
$$\begin{array}{ccc} \vec{a}_c^{\text{ASS}} & a_c^{\text{REL}} & a_c^{\text{TRA}} \\ w^2 \text{oC} & ? & ? \\ \text{Loc} & \text{Rif} & \text{VERT} \\ C \rightarrow O & \text{Piatello} & \end{array}$$



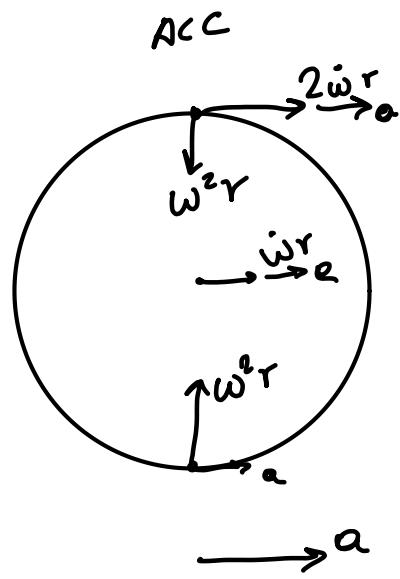
Riguardiamo problemi di momento



VEL $2wr$



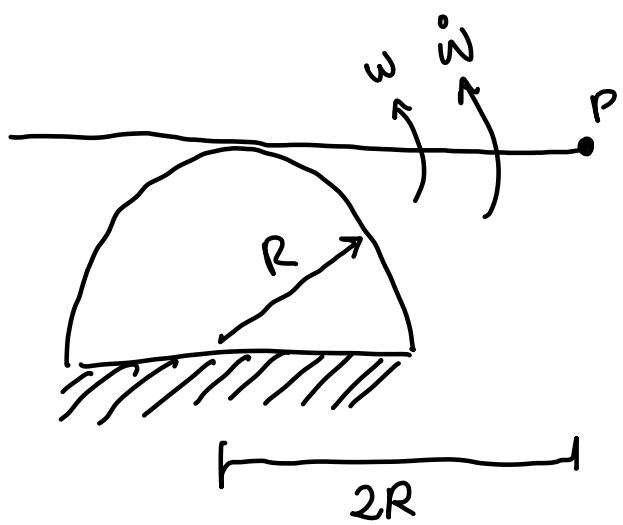
I vettori si aggiungono ad ogni punto.



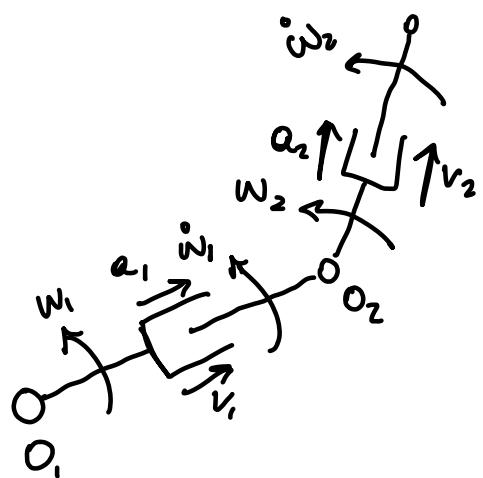
È come una somma di una parte più un sistema su questo percorso.

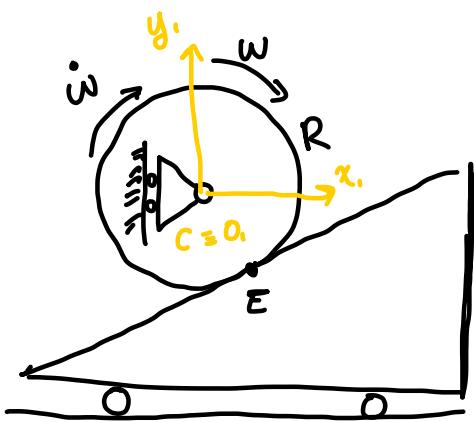
Problemi difficile proposti

1)



2)



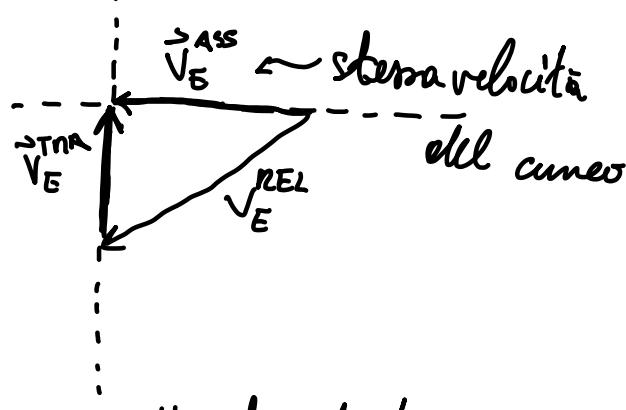


Solo 1 gall \Rightarrow solo 1 momento

$$\vec{V}_E^{\text{ASS}} = \vec{V}_E^{\text{REL}} + \vec{V}_E^{\text{TRA}}$$

$$M \quad ? \quad \omega R \quad ?$$

D ORIZ \perp CE VERT



\hookrightarrow Il carrello
fissa il centro
a x dato

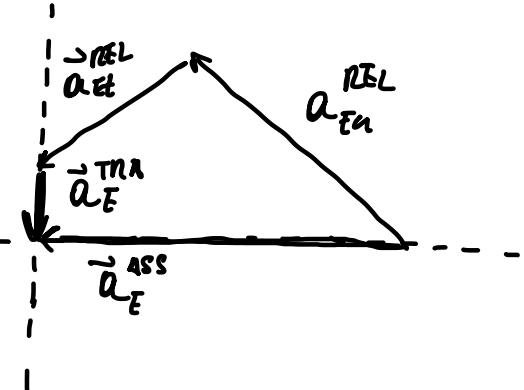
Ha sbagliato

$$\alpha_{Ec}^{\text{ASS}} \times \alpha_{Eg}^{\text{REL}} + \alpha_{Ef}^{\text{REL}} + \alpha_{Eg}^{\text{TRA}}$$

? $\omega^2 R$ ωR ?

ORIZ. // EC \perp OE VERT

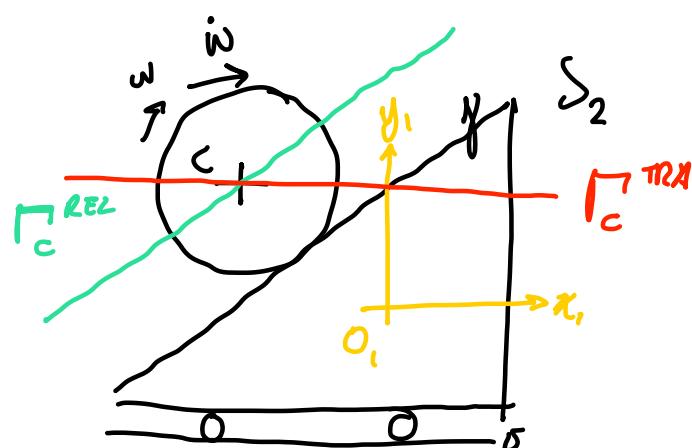
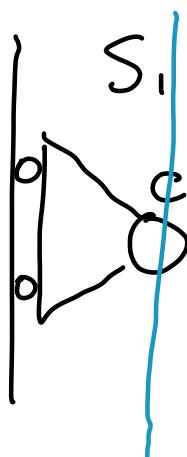
$E \rightarrow C$



Vediamo C poi torniamo ad E

Per evitare errori!
Spostiamo in 2 sistemi

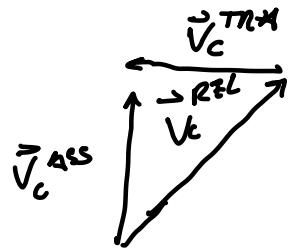
2 gall \Rightarrow bisogna usare
n'elemento mobile



$$\vec{V}_c^{\text{ASS}}(S_1) = \vec{V}_c^{\text{ASS}}(S_2)$$

$$\vec{V}_c^{\text{ASS}}(S_1) = \vec{V}_c^{\text{REL}} + \vec{V}_c^{\text{TNA}}$$

M ? ωR
 D VERT //y //o

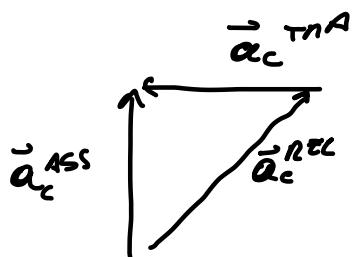


$$\vec{\alpha}_c^{\text{ASS}}(S_1) = \vec{\alpha}_c^{\text{REL}} + \vec{\alpha}_c^{\text{TNA}}$$

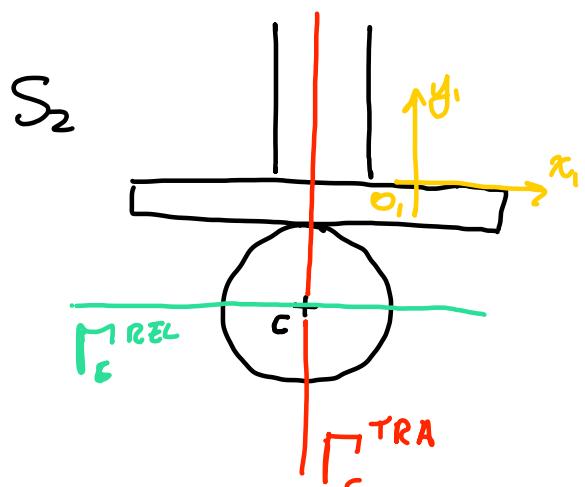
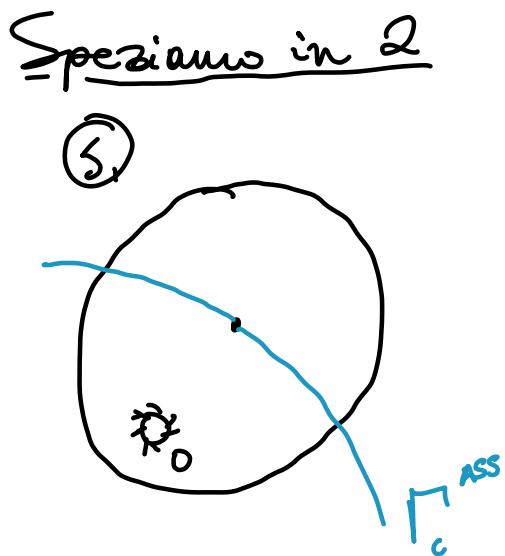
$$\vec{\alpha}_c^{\text{ASS}} = \vec{\alpha}_{ct}^{\text{REL}} + \vec{\alpha}_{ct}^{\text{TNA}}$$

? $\dot{\omega} R$?

VERT //y //o



Probleme Camera



$$\vec{V}_c^{\text{ASS}}(S_1) = \vec{V}_c^{\text{ASS}}(S_2)$$

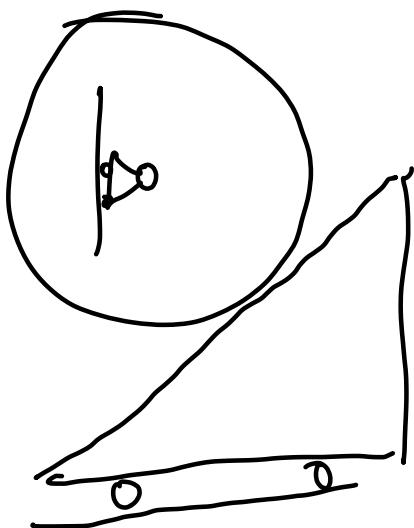
$$\vec{V}_c^{\text{ASS}}(S_1) = \vec{V}_c^{\text{REL}}(S_2) + \vec{V}_c^{\text{TNA}}(S_2)$$

M ωR ? ?
 D LOR //PLATELLO VERT

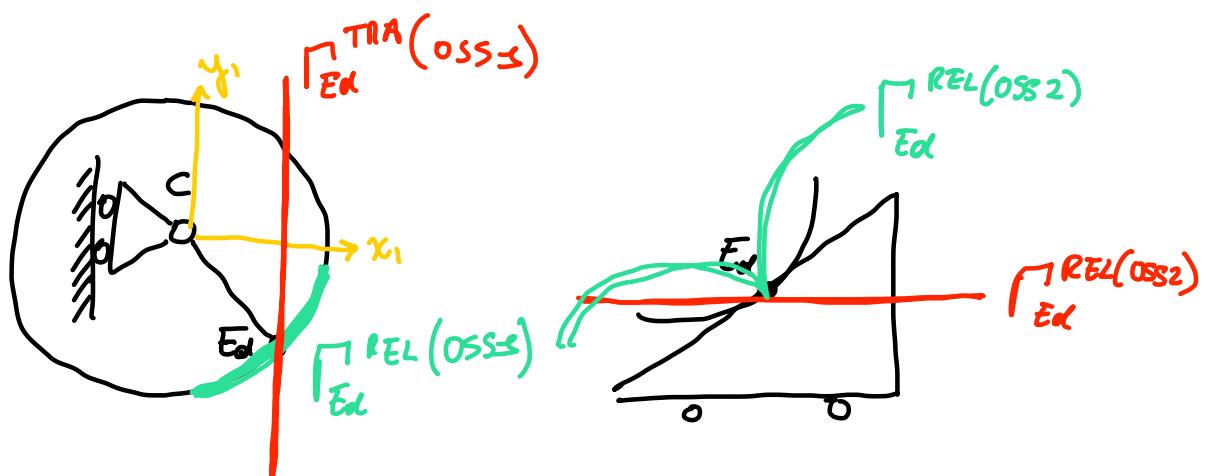
$$\omega = \frac{|\vec{V}_c^{\text{REL}}|}{R}$$

non si può perché ϵ è punto
di rototraslamento quindi non ha ω

Punto E ha disco-camello



Dividiamo in 2 sistemi



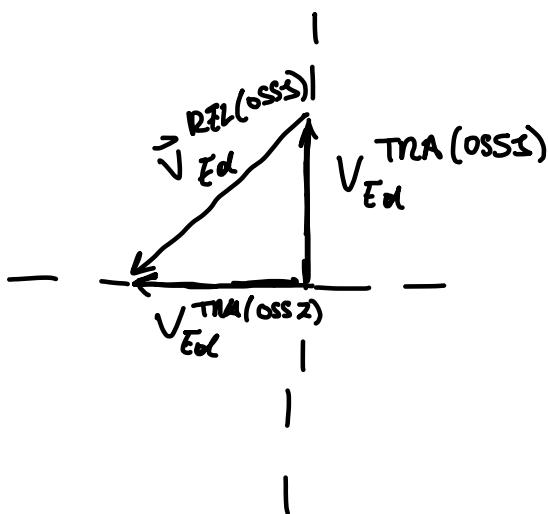
$$\vec{V}_{Ed}^{Ass(s_1)} = \vec{V}_{Ed}^{Ass(s_2)}$$

$$\vec{V}_{Ed}^{oss_2} + \vec{V}_{Ed}^{TRA(oss_2)} = \vec{V}_{Ed}^{REL(oss_2)} + \vec{V}_{Ed}^{TRA(oss_2)}$$

$$wR \quad ? \quad = 0 \quad ?$$

$\perp CE_d$ VERT Punto di ORIZ

Cuspide



$$\vec{a}_{Ed}^{Ass(s_1)} = \vec{a}_{Ed}^{Ass(s_2)}$$

$$\vec{a}_{Ed,n}^{REL(oss)} + \vec{a}_{Ed,t}^{REL(oss)} + \vec{a}_{Ed,n}^{TRA(oss)} + \vec{a}_{Ed,t}^{TRA(oss)} = \vec{a}_{Ed,n}^{REL(oss)} + \vec{a}_{Ed,t}^{REL(oss)} + \vec{a}_{Ed,n}^{TRA(oss)} + \vec{a}_{Ed,t}^{TRA(oss)}$$

$$w^2 R \quad \omega R \quad X \quad ? \quad w^2 R \quad X \quad X \quad ?$$

$\|CE_d$ $\perp CE_d$ Rettilineo VERT $\perp y$ Cuspido Rettilineo ORIZ
 $Ed \rightarrow C$

1, 3 incognite non bene

2 incognite bene

