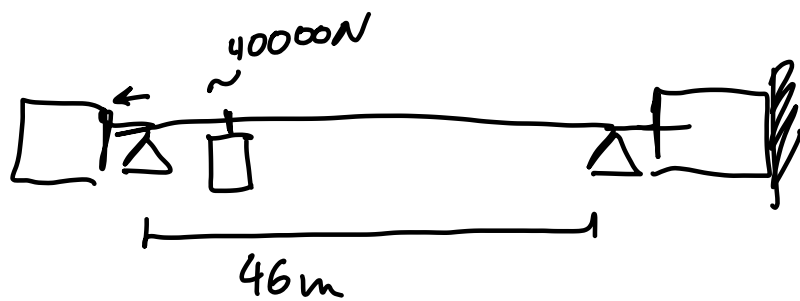
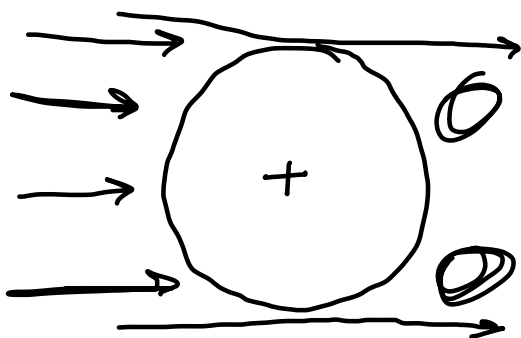


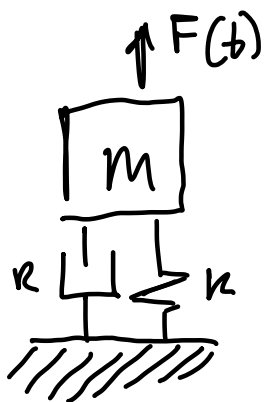
## Esercitazione 8 -



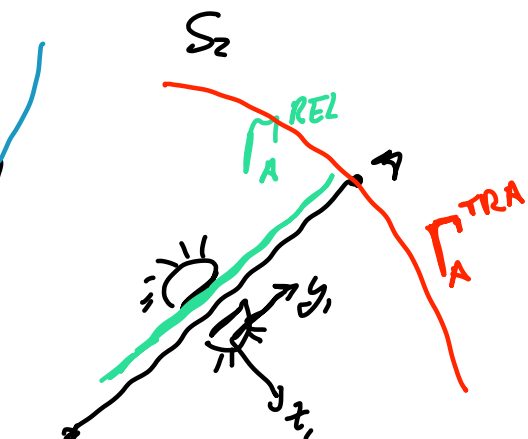
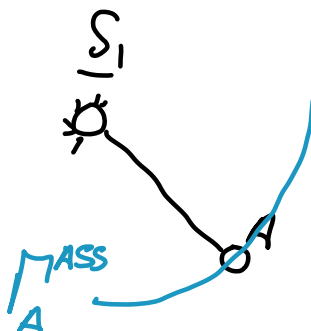
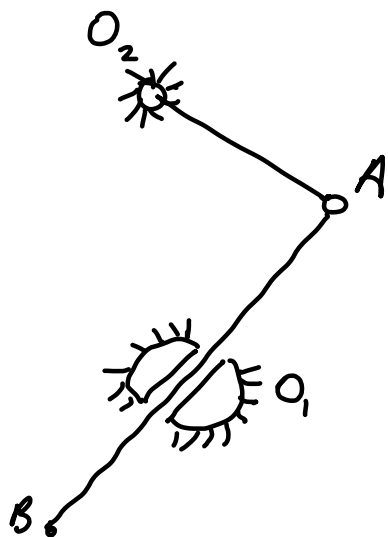
Per misurare vibrazione è  
più facile usare  
accelerometro



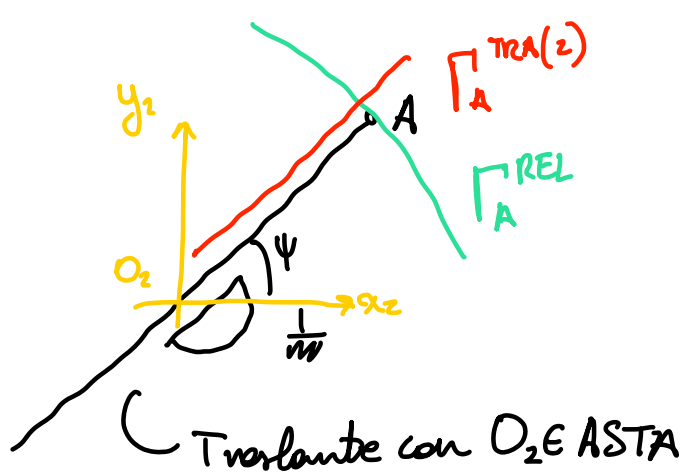
Nei sistemi  
meccanici ci sono  
sistemi vibrosionali  
molto difficili da studiare



Eserizis ultimo molta

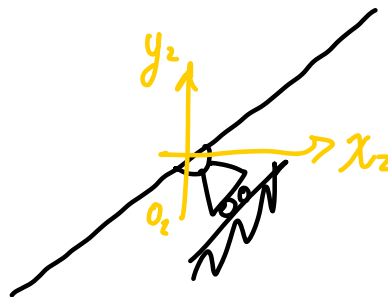


Relante insieme



Asta, sulla  
cerniera, non  
su asta

- Per la velocità cambiano, per le accelerazioni invece no, in questo caso non c'è Coriolis
- questo non descrive il vincolo della cerniera a terra, da di un carrello su piano

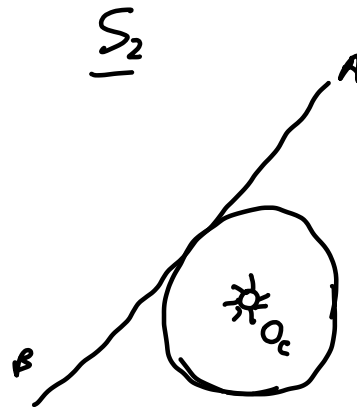
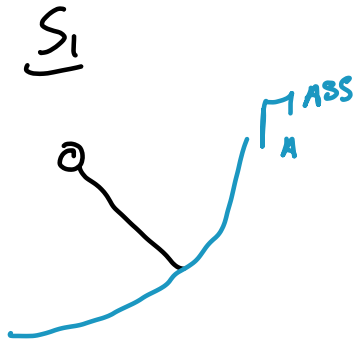
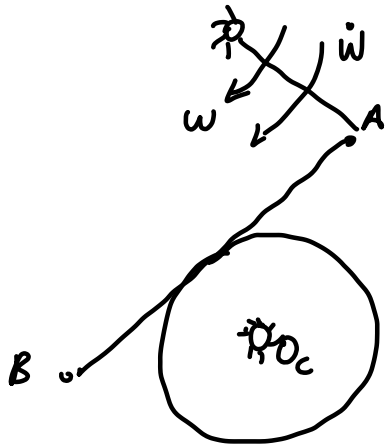


Sono moltosimili,  
ma sono diversi.  
infatti la accelerazione  
è diversa, non c'è  
Coriolis

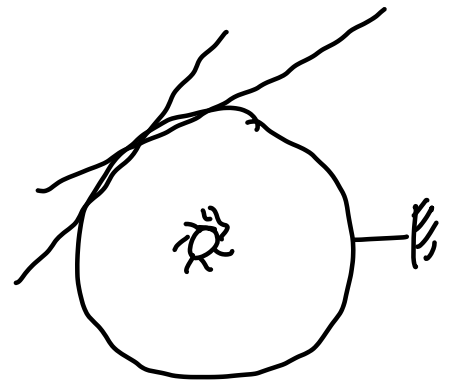
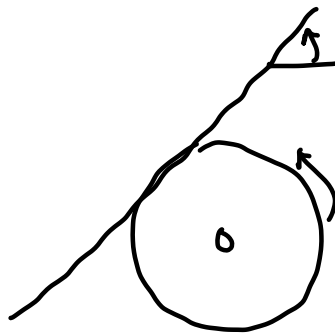
Il traslatorio è come si muove il nostro vincolo, il modo che si muove muovere, questi due hanno risultati simili ma diversi.

Problema simile

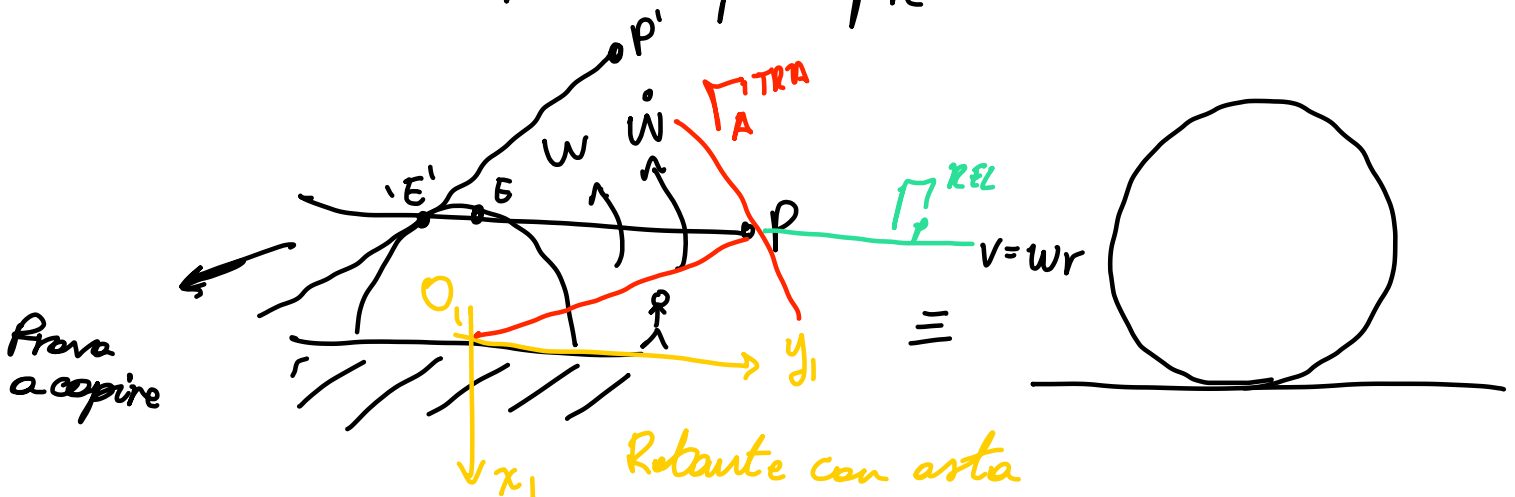
|



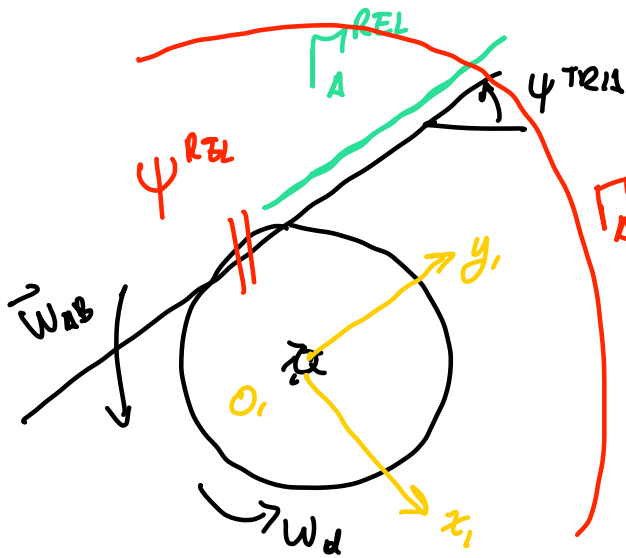
Pennino  
rotante  
con disco



Un altro problema per capire



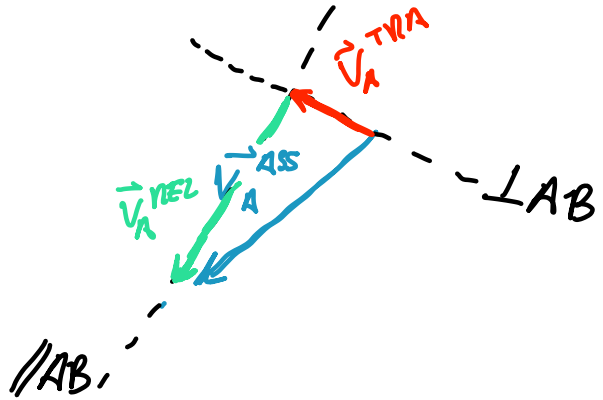
Em moto complicats, <sup>haguen</sup> ~~altre~~ <sup>seguir</sup> ~~seguir~~ <sup>esta</sup>



$\Gamma_A^{TRA}$  con  $R = \overline{AO}_1$

$O_1, x_1, y_1$  con sull'ascissa  
solidale ad  $o_2$   
con  $\vec{w}_{n2} \equiv \vec{w}_{AB}$

	$V_A^{ASS}$	$V_A^{REL}$	$V_A^{TRA}$
M	$\omega_2 A$	?	?
D	$\perp \omega_2 A$	$\parallel AB$	$\perp QA$

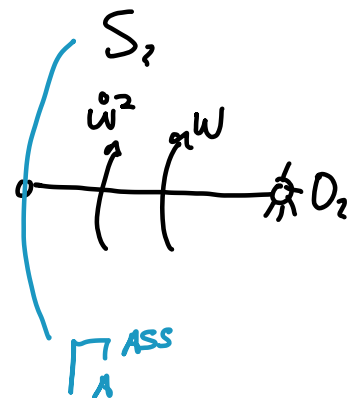
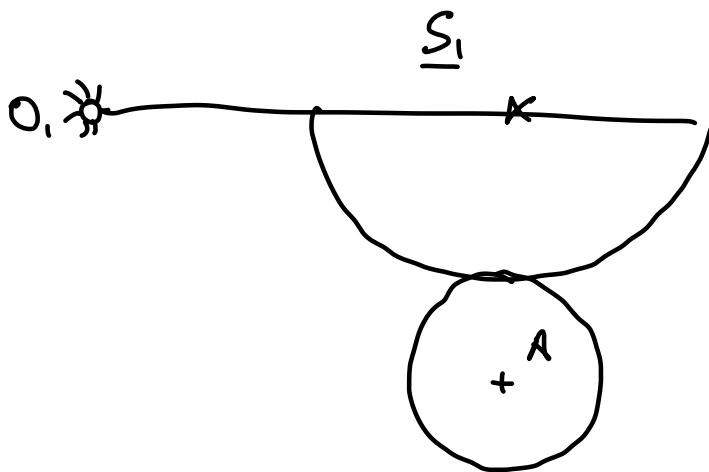
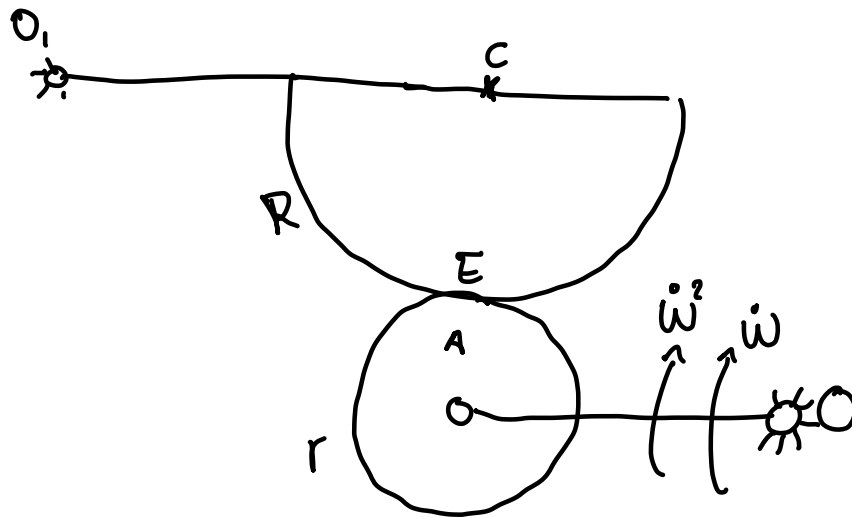


$$|\vec{w}_{AB}| = \frac{|\vec{V}_A^{\text{Tra}}|}{0,1}$$

$$|\vec{u}_d^{REL}| = \frac{|\vec{v}_A^{REL}|}{r}$$

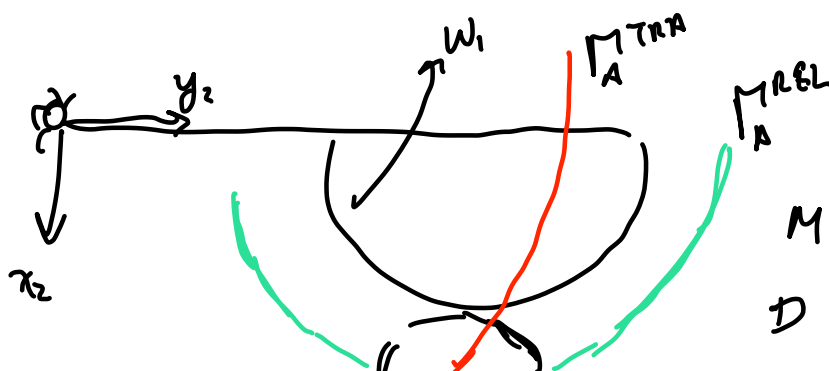
$\vec{w}_a^{REL}$  perché la abbiamo trovata quando  $w_{af} = 0$

# Esercizio da Corioli:



## Diverse opinioni

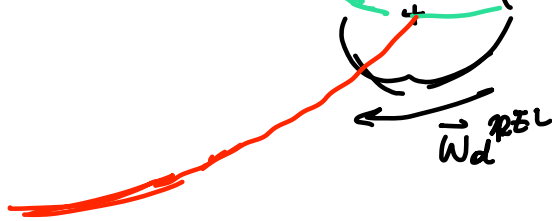
Sistemi in  $O_1$  rotante solidi



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

$$M \omega_2 O_2 A \quad ? \quad ?$$

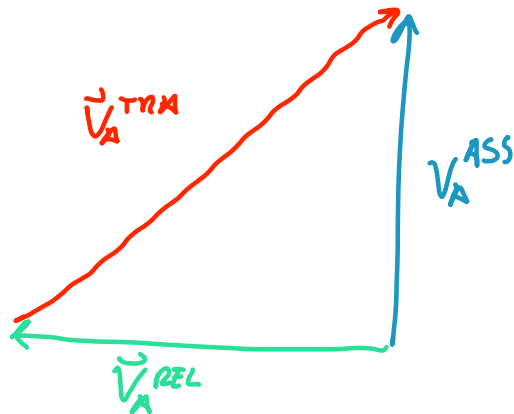
$$D \perp O_2 A \perp CA \perp O_1 A$$



$$\vec{\omega}_1 = \frac{|\vec{V}_A^{TM}|}{0,1} = \omega_1^{ASS}$$

Se  $E \equiv CIR$

$$\Rightarrow \omega_d^{REL} = \frac{|\vec{V}_A^{REL}|}{r}$$



Anche con strisciamento la relativa non cambia,  
 ma  $\vec{\omega}_d^{ASS}$  diminuisce, perché non riesce a rotarsi,  
 non è più effetto di  $\vec{V}_A^{REL}$