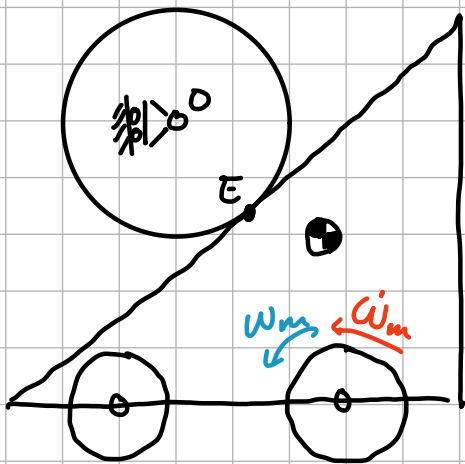
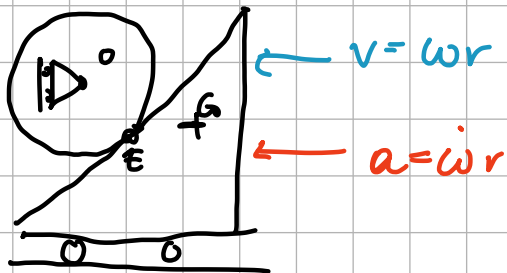


Esercitazione 25-

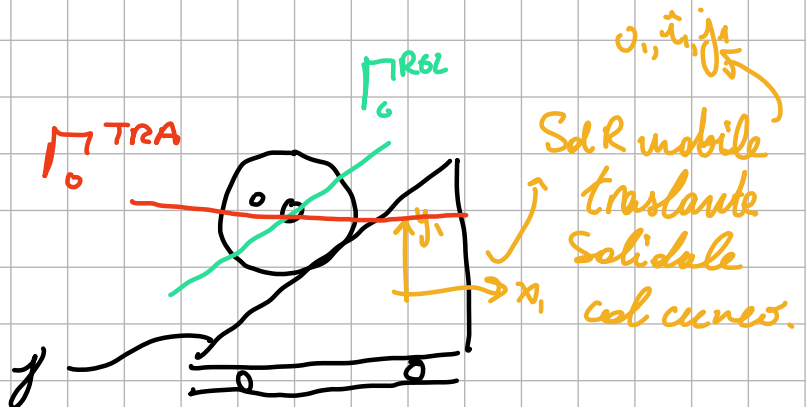
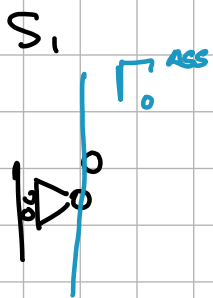


Dati $\omega_m, \dot{\omega}_m$

Determine:

$$V_G, a_G, \omega_d, \dot{\omega}_d$$
$$V_0, a_0$$


Rompiano in O

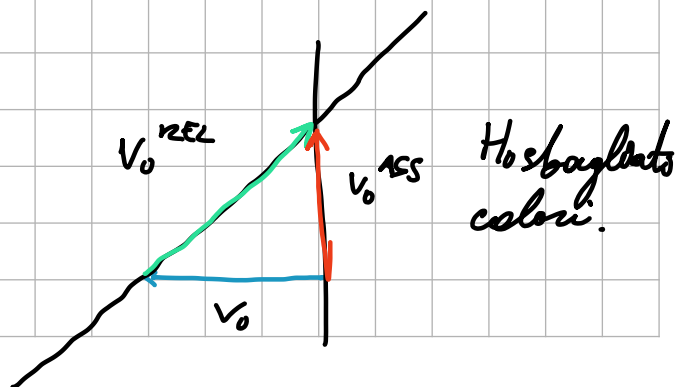


$$V_0^{ASS, S_1} = V_0^{ASS, S_2}$$

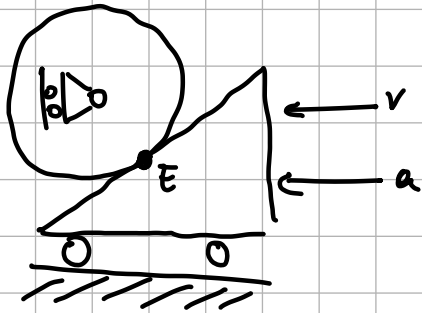
$$V_o^{ASS} = V_o^{NEG} + V_o^{TRA}$$

$$V_o^{ASS} = V_o^{NEG} + V_o^{TRA}$$

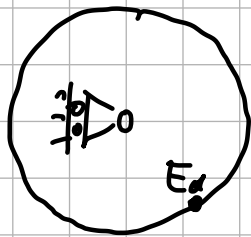
M	?	?	wr
D	VERT	//y	001zz



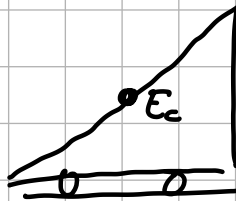
Errore: spingere in E \rightarrow velocità sono uguali, ma le accelerazioni non lo sono



S_1



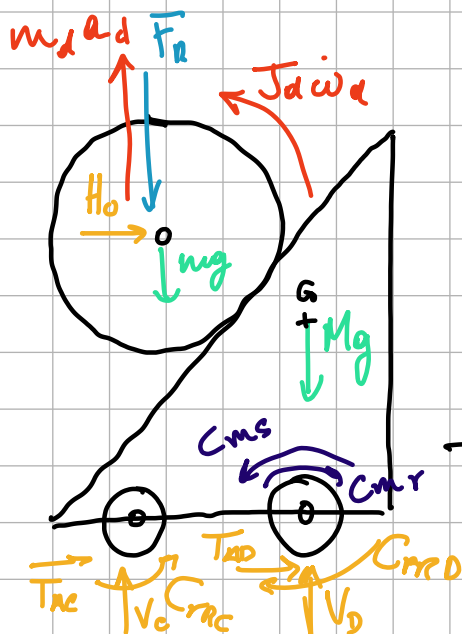
S_2



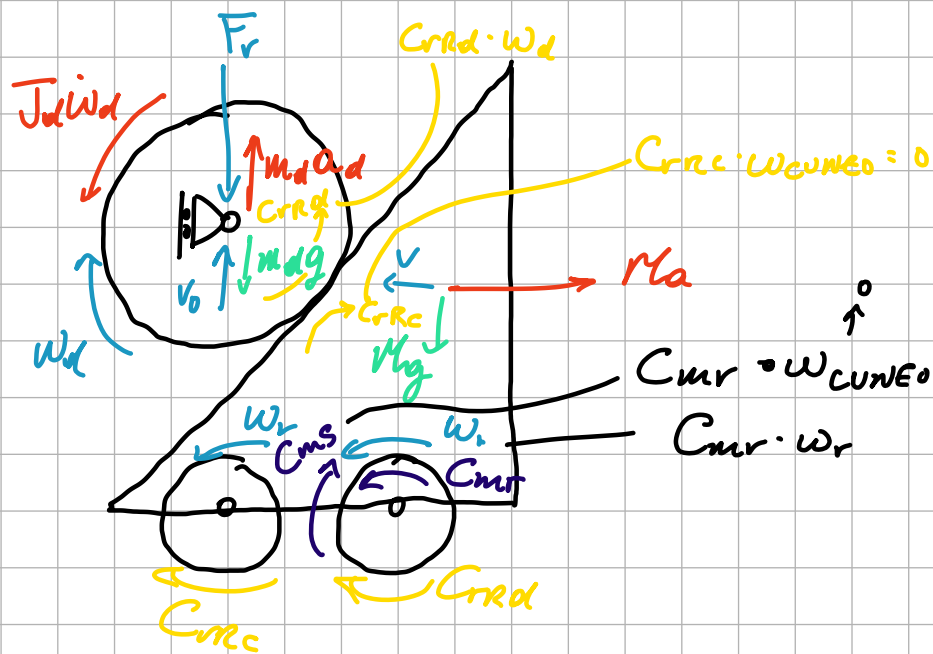
$$\vec{v}_{sd} = \vec{v}_{ec}$$

$$\vec{a}_{ec} \neq \vec{a}_{ed}$$

$$\Rightarrow \begin{cases} \vec{a}_{sot} = \vec{a}_{sdb} \\ \vec{a}_{sctn} \neq \vec{a}_{sctn} \end{cases}$$



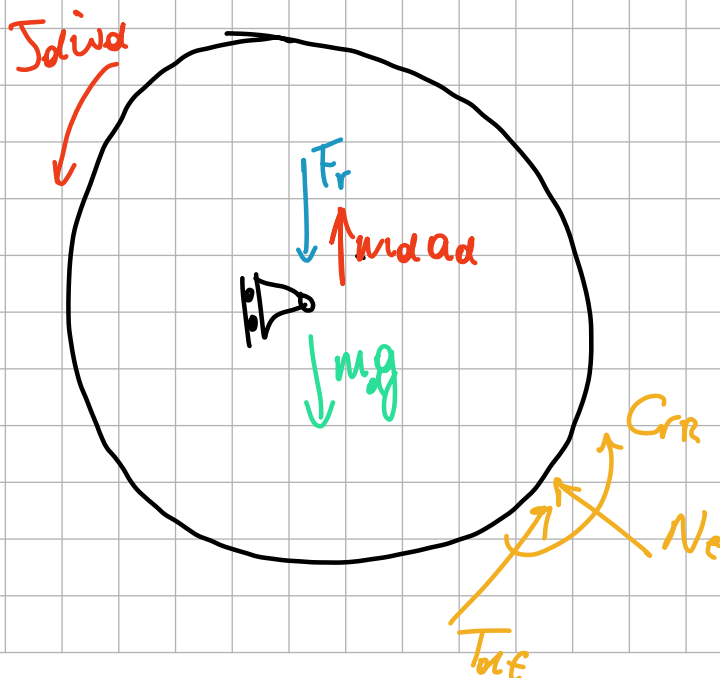
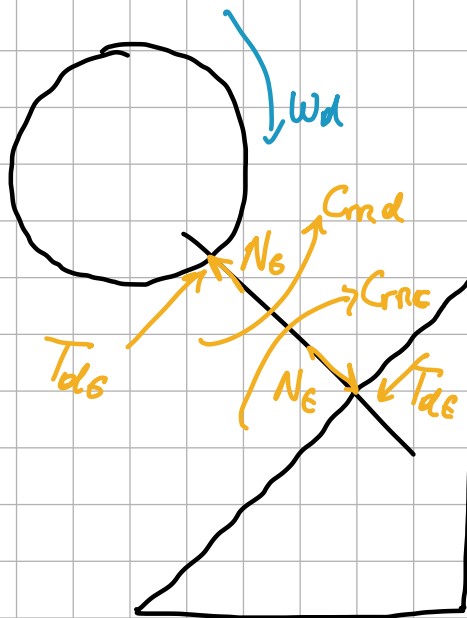
la coppia motrice in questo caso è diversa.



Solo in condizioni limite

$$\{T = f_a N \quad T = f_a N\}$$

$$T = f_v N$$



$$\sum F_v^{DISCO} = 0$$

$$T_{ae}, N_e$$

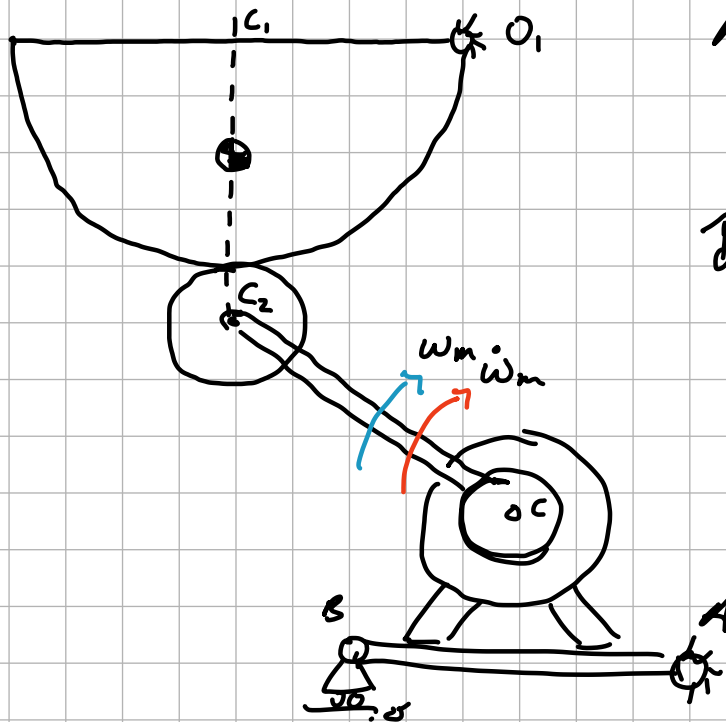
$$C_{rr} = f_{vr} N_e$$

$$u = f_{vr}$$

$$\sum M^{DISCO} = 0$$

$$T_{ae}, C_{rr}$$

Esercizio 2 1/9/23



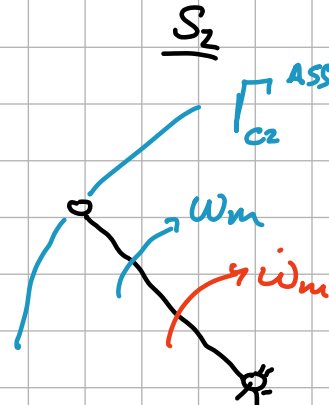
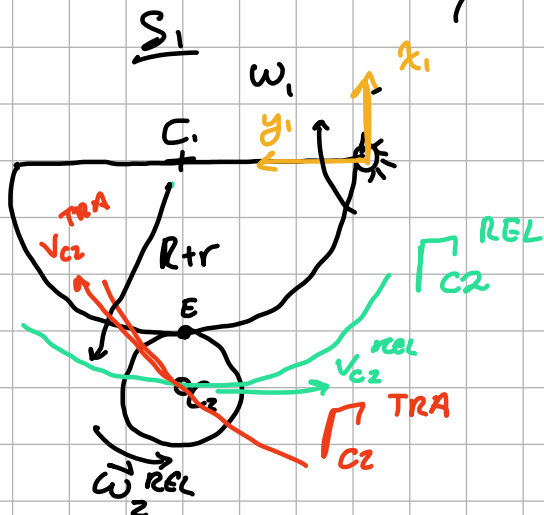
Nota $\omega_{CC2} = \omega_m$

$\dot{\omega}_{CC2} = \dot{\omega}_m$

Determina $\omega_2, \dot{\omega}_2,$
 $\omega_1, \dot{\omega}_1,$

Scegliamo in C_2

↑ Riferimento con origine in O_2 rotante
solidale ad semicircolo

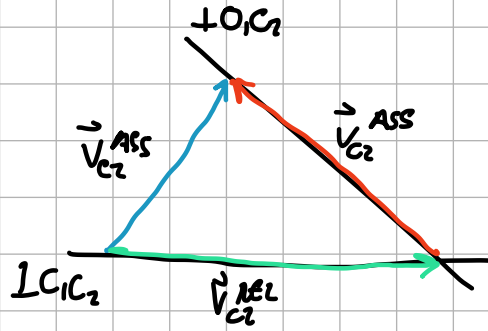


$$V_{C2}^{ASS S_1} = V_{C2}^{ASS S_2}$$

$$V_{C2}^{ASS} = V_{C2}^{REL} + V_{C2}^{TRA}$$

M $\omega_m C_2$? ?

D $\perp CC_2$ $\perp CC_1$ $\perp O_1 C_2$



$$|\omega_1^{REL}| = \frac{|\vec{V}_{C_2}^{REL}|}{r}$$

↳ VERSO ANTIORARIO

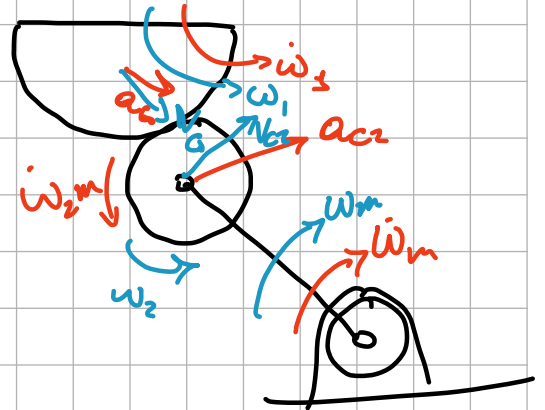
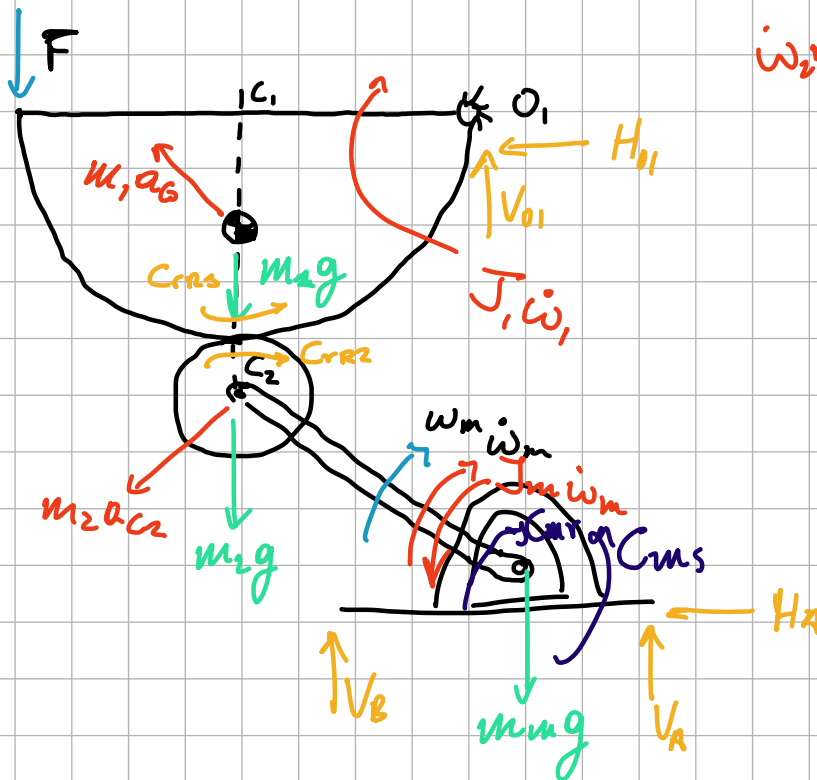
$$|\omega_1| = \frac{|\vec{V}_{C_2}^{TRA}|}{OC_2} \quad \text{VERSO ORARIO}$$

schemi cinematici

$$\vec{\omega}_2^{ABS} = \vec{\omega}_2^{REL} + \vec{\omega}_{C_2}^{TRA}$$

Dinamica

↳ Determinare C_m in E



$$C_{r21} \cdot \vec{\omega}_1 + C_{r22} \cdot \vec{\omega}_2$$