

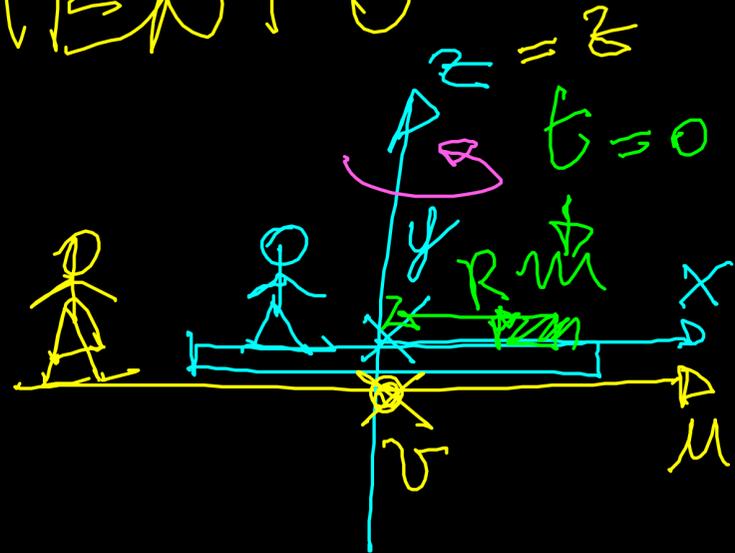
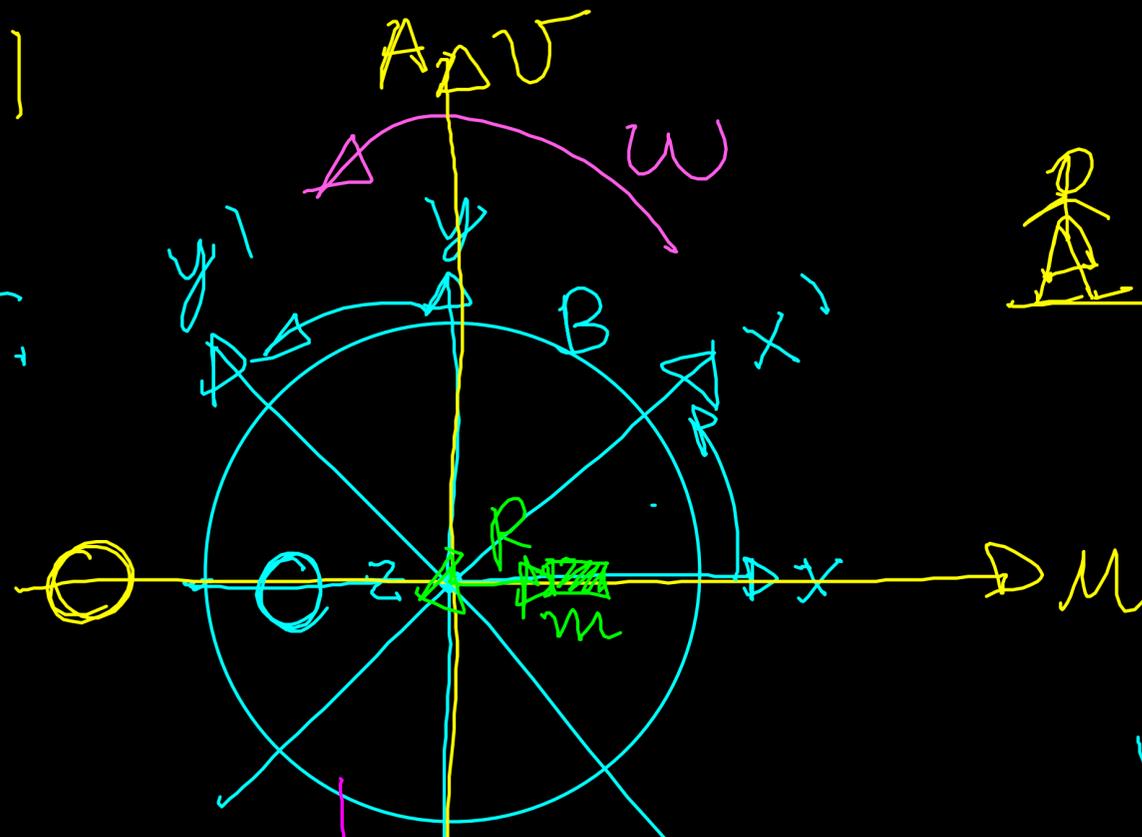
MOTO IN SISTEMI DI RIFERIMENTO

NON INERZIALI

$$\sum_{i=1}^n \vec{F}_i = m \vec{a}$$

NEI SIST. DI RIF. INERZIALI

PIATT. LISCIA



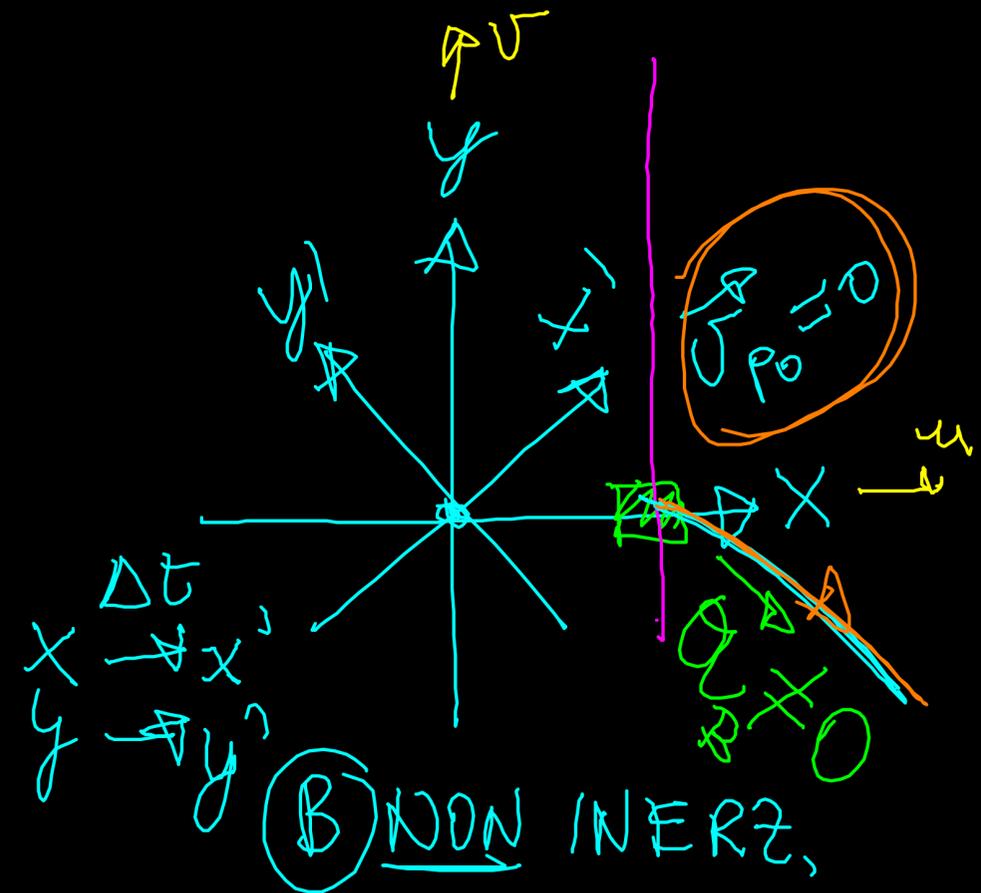
$$m \vec{a}_B = \sum \vec{F}_i + \vec{F}_{app}$$



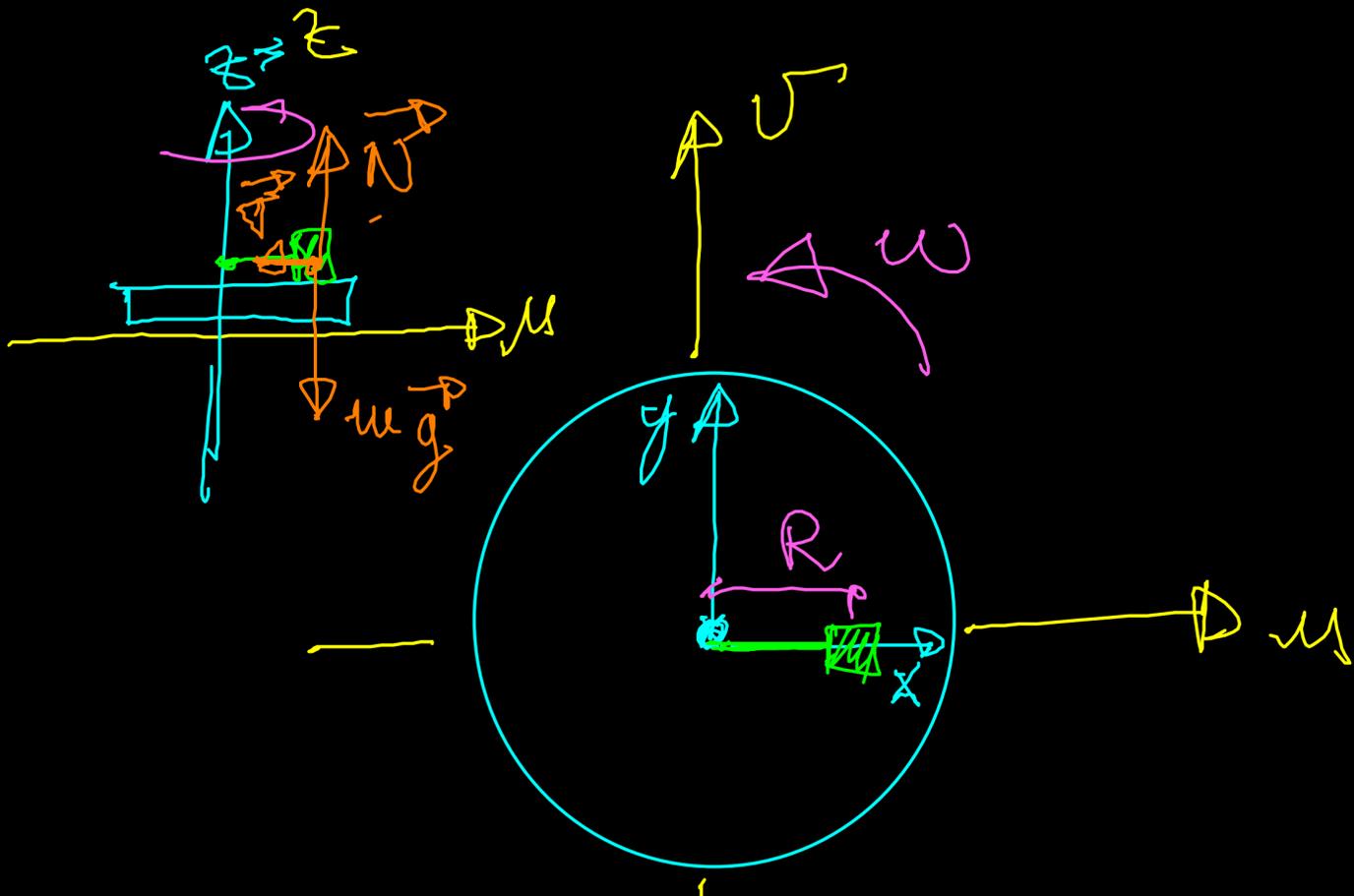
$$|\Delta \vec{v}_0| = \omega R$$

(A) INERZ.

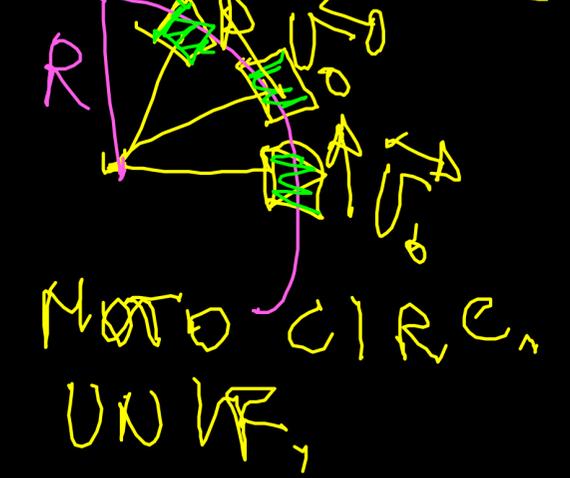
$$\vec{v}_0 = \vec{v} + \vec{\omega} \times \vec{r}$$



(B) NON INERZ.

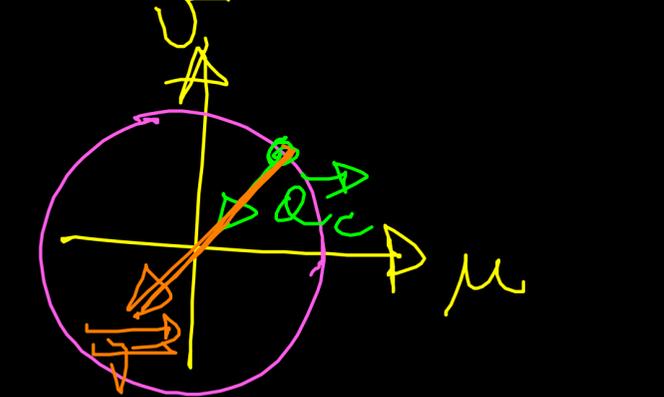


INERZIALE



INERZ.
MOTO CIRC. UNIF

$$|\vec{a}_c| = \omega^2 R$$



$$m \vec{a}_c = \sum \vec{F}_i =$$

$$= \cancel{N} + \cancel{m\vec{y}} + \vec{T}$$

$m \vec{a}_c = \vec{T}$
FORZA CENTRIFUGA

NON INERZ.

$$\vec{a}_B = 0$$

$$\sum \vec{F}_i = \cancel{N} + \cancel{m\vec{y}} + \vec{T}$$

$$\sum \vec{F}_i = \vec{T}$$

$$m \vec{a}_B = \vec{T} + \vec{F}_{APP}$$

$$0 = \vec{T} + \vec{F}_{APP} = -m \vec{a}_c$$

FORZA CENTRIFUGA

