

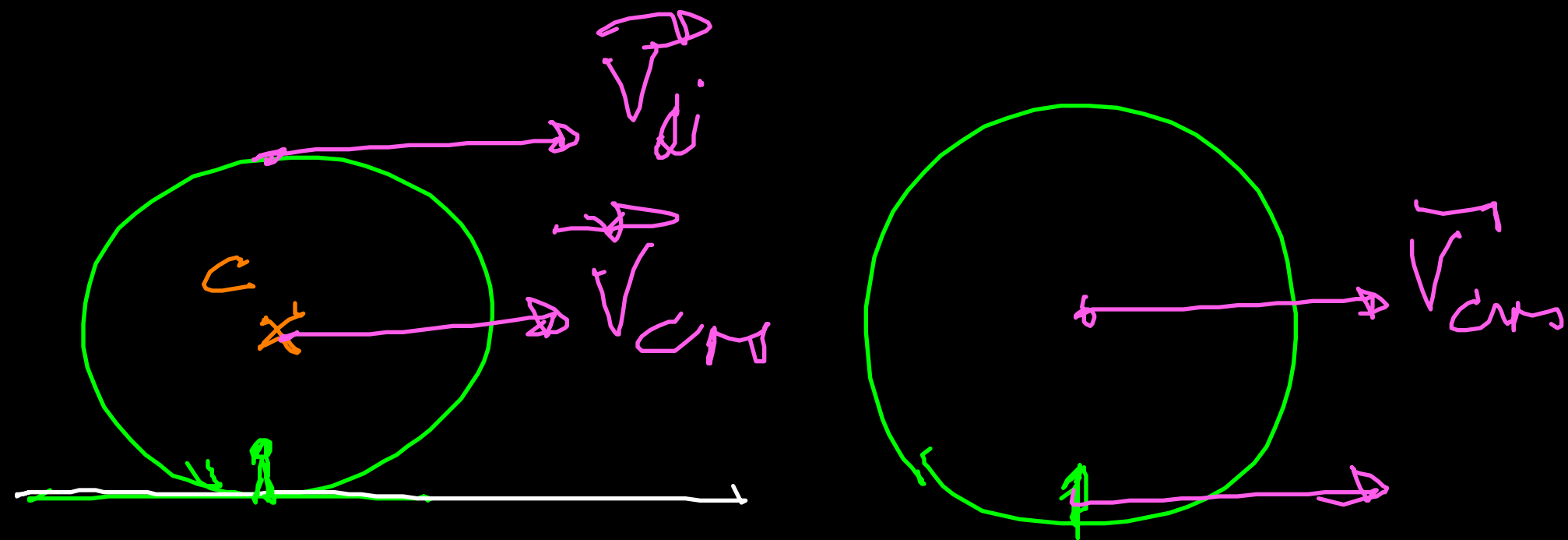
$$-Mg + R_{1y} + R_{2y} = 0$$

$$R_{1x} - R_{2x} = 0$$

POLO A

$$\textcircled{2} \quad -Mg \frac{L}{2} + D R_{2x} = 0$$

CINEMATICA DEL MOTO ROTATORIO DI UN CORPO RIGIDO

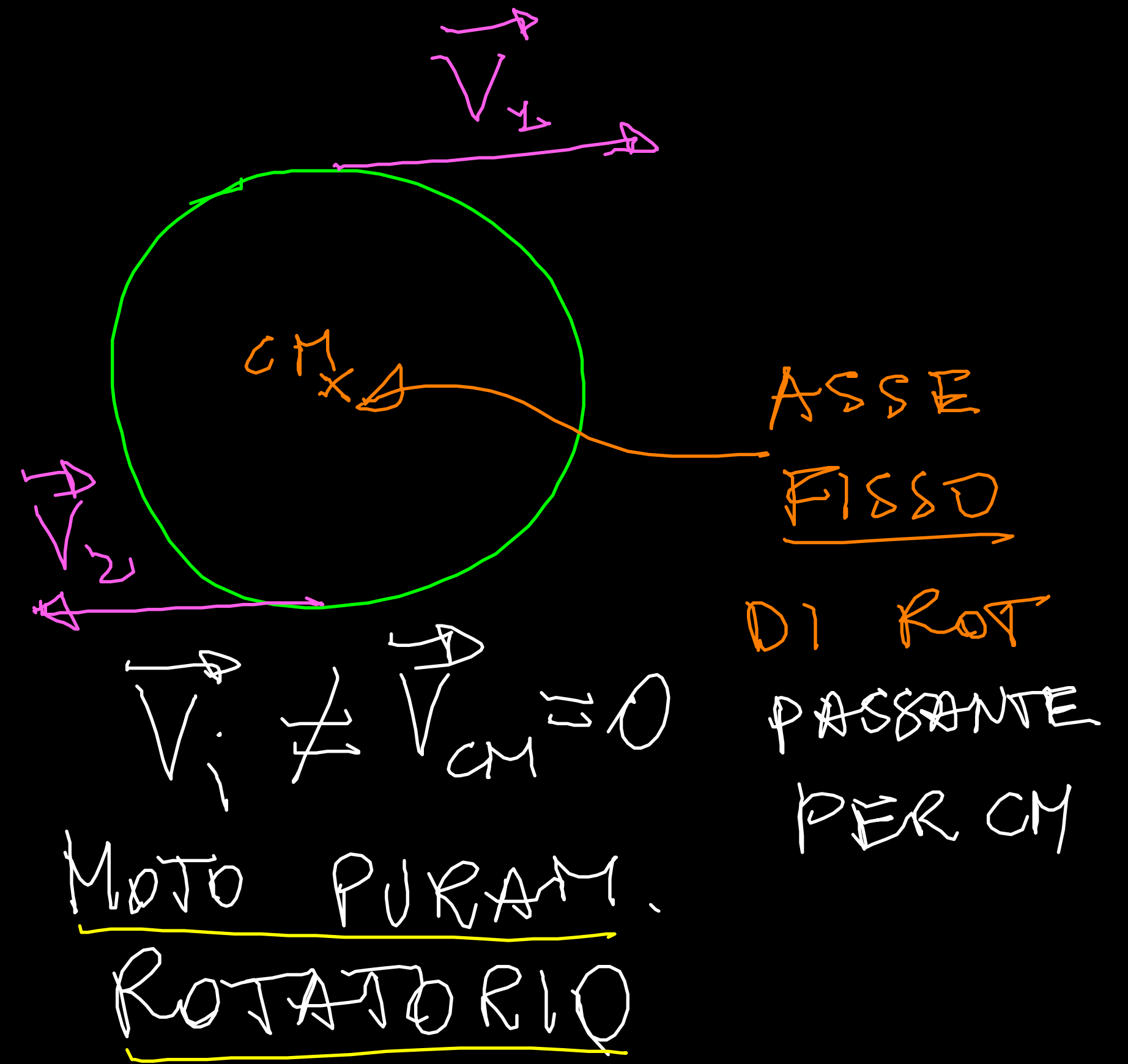


Se $\vec{V}_i = \vec{V}_{CM}$

$\vec{V}_i \Rightarrow$ Moto puramente traslatorio

$(x_{CM}(t), y_{CM}(t), z_{CM}(t))$

3 PARAMETRI \rightarrow "GRADI DI LIBERTA"

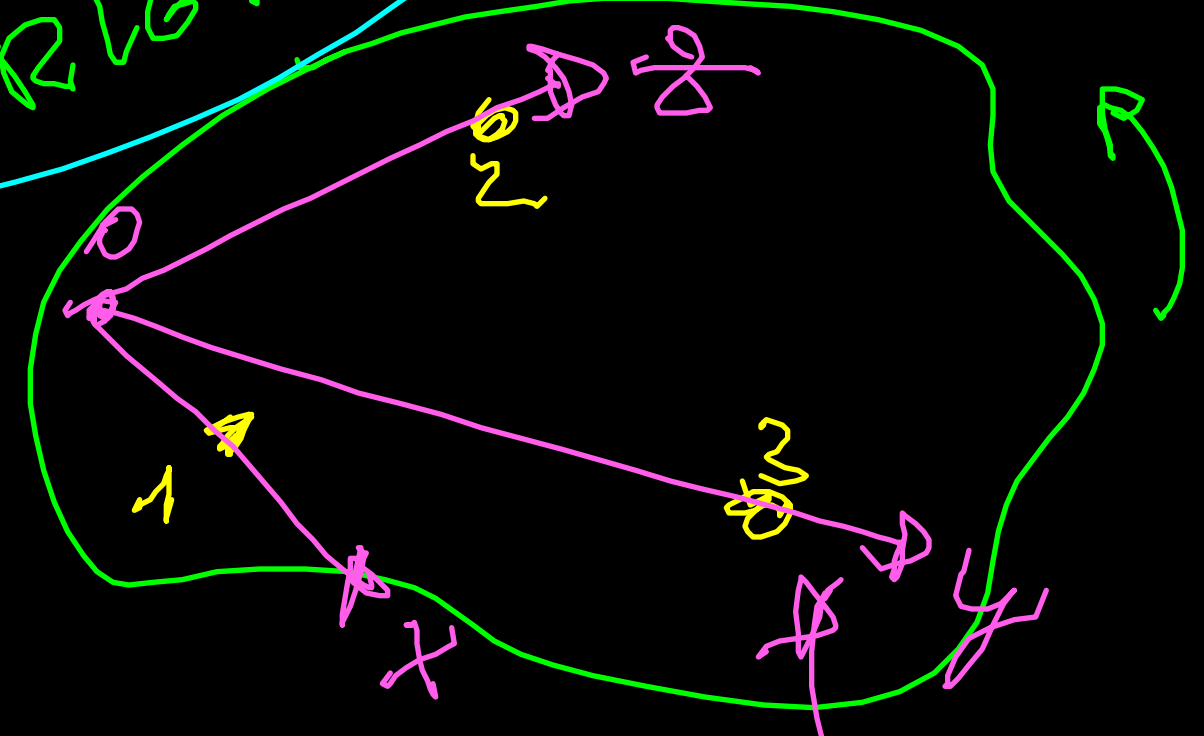


CORPO
RIGIDO

le 3 distanze

1-2
2-3
1-3

non
fine

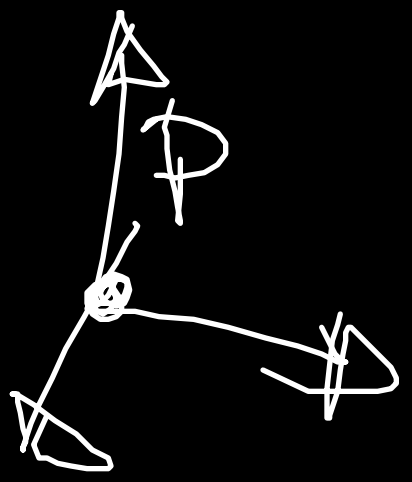


S.d.R.
Rigidamente
connesso

3 eq.

6 Parametri
liberi

6 GRADI DI
LIBERTA'



Coordinate di

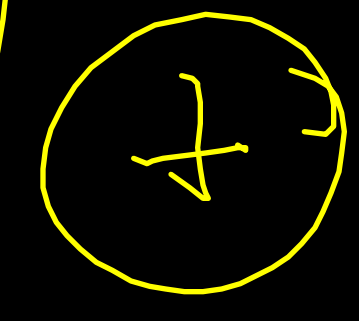
Fissato

1, 2, 3 =>

Parametri

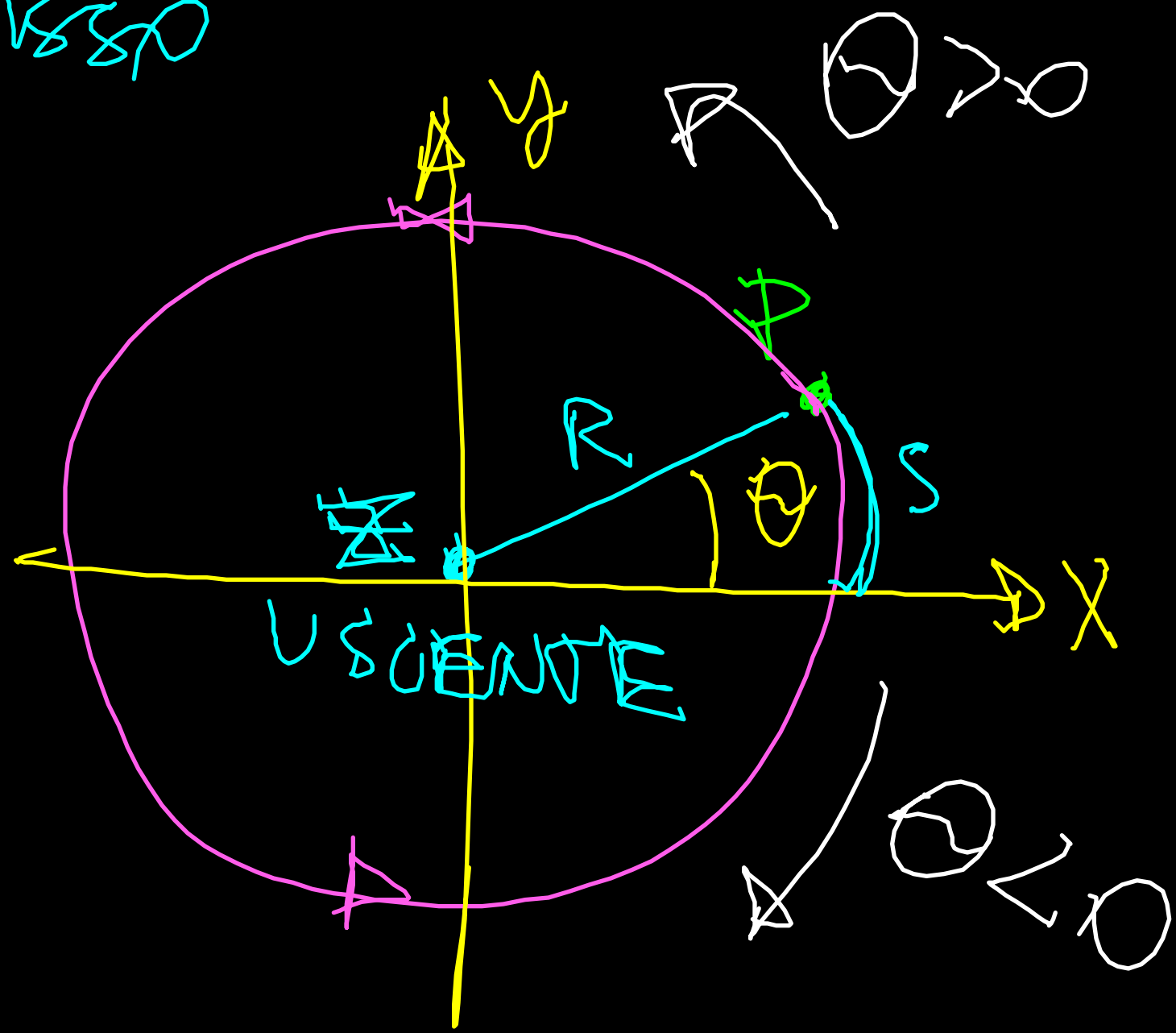
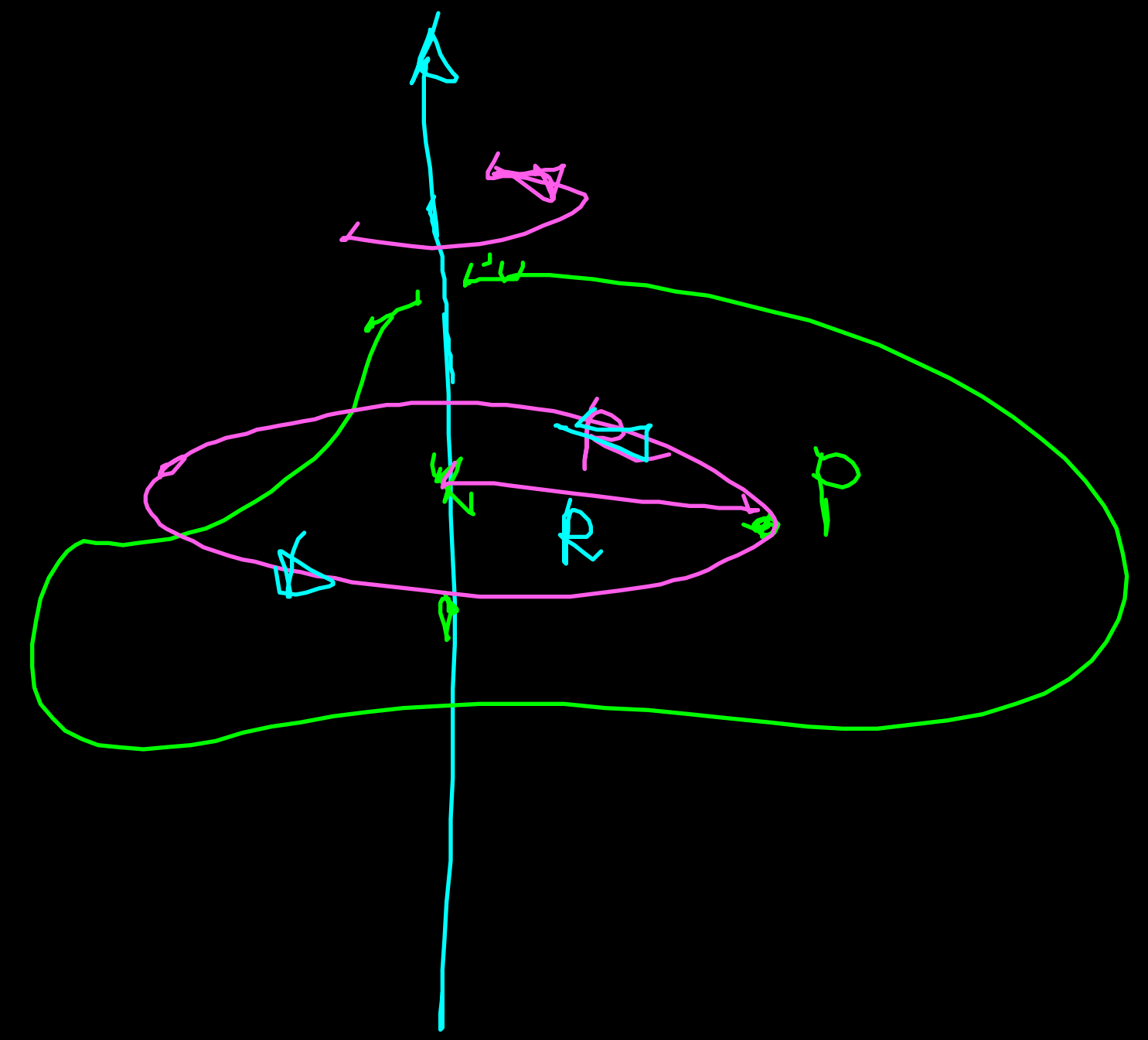
MOTO
QUALSIAS)

= PURA
TRASL.



PURA ROT.
INTORNO
AD UN ASSE

ROTAZ. INTORNO AD UN ASSE
Z fisso
FISSO



istantaneamente
fisso

$\theta (+)$ → describe
il moto
di P
↑ coordinate
angolare

$$\theta \text{ (radianti)} = \frac{v}{R}$$