

NOTO:

AB= 700 mm

XA = 606.2 mm

VA = 5 m/s

an = 0.3 m/2

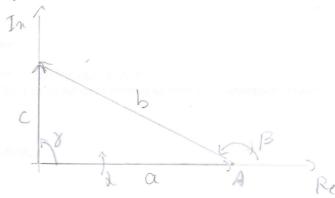
9 FB FG

9 as, as

NUMERI COMPLESSI:

COSTIY ba

ic = beiB + a



$$\begin{cases} 0 = b \cos \beta + a \\ c = b \operatorname{Sen} \beta \end{cases}$$

$$\begin{cases} 0 = -b\beta \sin\beta + \alpha \\ \dot{c} = b\beta \cos\beta \end{cases} = \begin{cases} b\sin\beta & 0 \\ -b\cos\beta & 1 \end{cases} \begin{cases} \dot{\beta} = \begin{cases} \dot{\alpha} \\ \dot{c} \end{cases} = \begin{cases} \dot{\alpha} \\ \dot{c} \end{cases} = \begin{cases} \dot{\beta} = 14.28 \text{ Vol/n} \\ \dot{c} = 8.66 \text{ m/n} \end{cases}$$

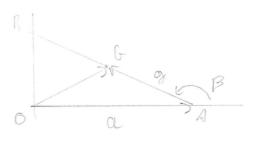
accelerazione

 $\begin{bmatrix} b \times m\beta & 0 \\ -b \cos\beta & 1 \end{bmatrix} \begin{bmatrix} \beta \\ \epsilon \end{bmatrix} = \begin{bmatrix} -b \beta^2 \cos\beta + \alpha \\ -b \beta^2 \cos\beta \end{bmatrix}$

STUDIO IL MOTO DI G

$$(G-0) = (G-A) + (A-0)$$

 $(G-0) = geiB + a$



$$\begin{cases} x_G = g \cos \beta + \alpha \\ y_G = g \sin \beta \end{cases}$$

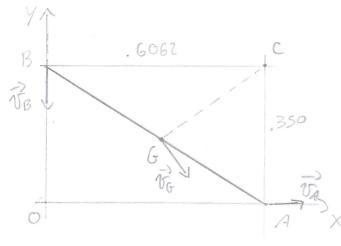
velocità

=>
$$x_{G} = 2.5\%$$
 m_{g} $|\vec{v}_{G}| = \sqrt{x_{G}^{2} + y_{G}^{2}} = 5$ m_{g}

acceleration

$$\begin{cases} \dot{X}_{G} = -9 \beta \text{ sm} \beta - 9 \beta^{2} \cos \beta + \dot{\alpha} \\ \dot{Y}_{G} = 9 \beta \cos \beta - 9 \beta^{2} \sin \beta \end{cases}$$

$$\dot{x}_{G} = 0.15 \text{ m/s} |\dot{a}_{G}| = \sqrt{\dot{x}_{G} + \dot{y}_{G}} = 143.1 \text{ m}$$



C E CIR DELL'ASTA

-RIVALS

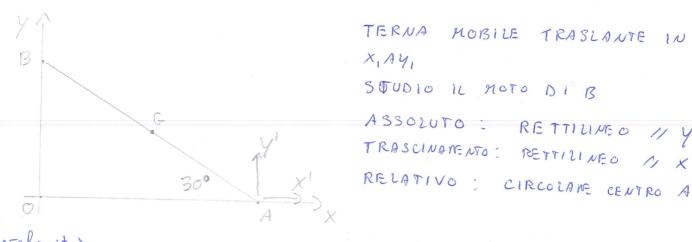
$$\overrightarrow{V_P} = \overrightarrow{V_Q} + \overrightarrow{W_A} (P-Q)$$

SE SCELGO IL CIR COME PUNTO NOTO

$$\widehat{U_p} = \widehat{V_c} + \widehat{w} \wedge (p-c)$$

$$\overrightarrow{v}_A = \overrightarrow{w} \wedge (A - e)$$

$$V_A = WAC$$
 $W = \frac{V_A}{AC} = 14.28 \text{ m/s}$



TERNA MOBILE TRASLANTE IN A X, AY,

STUDIO IL MOTO DI B

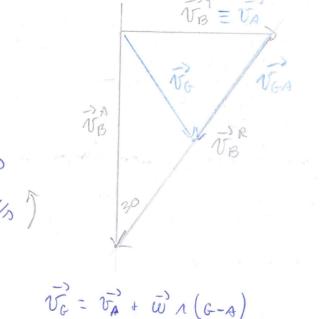
ASSOLUTO: RETTILIMED 114 TRASCINAMENTO: RETTIZINED 1/ X

$$\vec{\nabla}_{B}^{A} = \vec{\nabla}_{B}^{T} + \vec{\nabla}_{B}^{R}$$

$$\vec{\nabla}_{A} = \vec{\nabla}_{B}^{T} + \vec{\nabla}_{B}^{R}$$

$$\vec{\nabla}_{A} = \vec{\nabla}_{A}^{T} + \vec{\nabla}_{B}^{R}$$

CALCOLO VG CON RIVALS



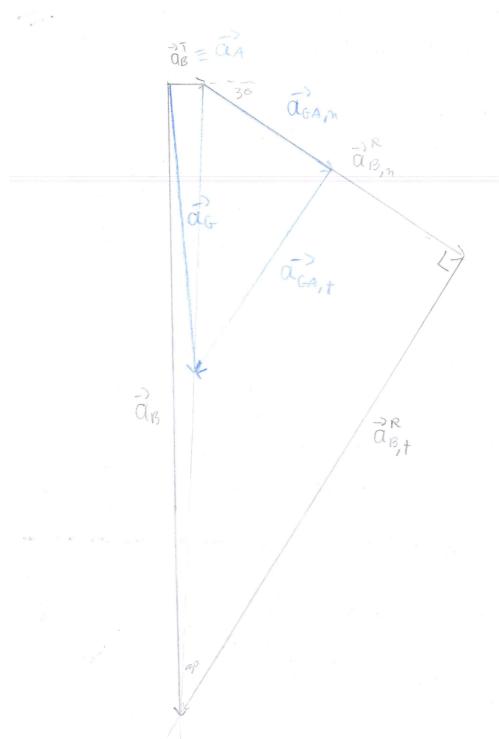
acceleratione

$$\overline{\alpha}_{B}^{2} = \overline{\alpha}_{B}^{2} + \overline{u}_{x} \wedge \overline{\alpha}_{B}^{2} - \overline{u}_{x}^{2} + \overline{\alpha}_{B}^{2} + \overline{\alpha}_{B}^{2} + \overline{\alpha}_{B}^{2} + \overline{\alpha}_{B}^{2} + \overline{\alpha}_{B}^{2}$$

$$\overrightarrow{a}_{\mathcal{B}_{n}}^{R} = \widehat{w}_{\Lambda}(B-S) - w^{2}(B-S)$$

$$\overrightarrow{a}_{\mathcal{B}_{n}}^{R} + \widehat{a}_{\mathcal{B}_{n}}^{R}$$

$$\vec{a}_{B}^{A} = \vec{a}_{B}^{T} + \vec{a}_{B,t}^{R} + \vec{a}_{B,n}^{R}$$
 $\vec{a}_{B}^{A} = \vec{a}_{B}^{T} + \vec{a}_{B,t}^{R} + \vec{a}_{B,n}^{R}$
 $\vec{a}_{B}^{A} = \vec{a}_{B}^{T} + \vec{a}_{B,n}^{R} + \vec{a}_{B,n}^{R}$
 $\vec{a}_{B}^{A} = \vec{a}_{B}^{T} + \vec{a}_{B}^{T}$
 $\vec{a}_{B}^{A} = \vec{a}_{B}^{T} + \vec{a}_{B}^{T}$



$$Q_B = 286.5 \text{ m/s}^2$$

 $\dot{w} = 354 \text{ m/s}^2$

CALCOLO
$$\vec{a}_{G}$$
 CON RIVALS
$$\vec{a}_{G} = \vec{a}_{A} + \vec{a}_{GA} = \vec{a}_{A} + \underbrace{\vec{w}_{A}(G-A)}_{\vec{a}_{GA,1}} - \underbrace{w^{2}(G-A)}_{\vec{a}_{GA,1}}$$

$$\vec{a}_{6} = \vec{a}_{A} + \vec{a}_{6A} + \vec{a}_{$$