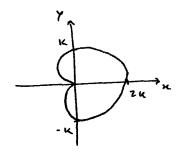
$$\vec{a} = ?$$
,  $\omega = ?$ 



## Solucion:

aceleració: 
$$\vec{a} = (\vec{n} - \vec{n} \vec{p}^2) \hat{e}_n + (\vec{n} \vec{p} + \vec{z} \vec{n} \vec{p}) \hat{e}_g$$

## Card'orde:

## velocidade angular és:

$$V = \sqrt{n^{2} + n^{2} \dot{g}^{2}}$$

$$= \sqrt{\kappa^{2} \dot{g}^{2} n^{2} g^{2} + n^{2} \dot{g}^{2}}$$

$$= \sqrt{\kappa^{2} \dot{g}^{2} n^{2} g^{2} + n^{2} \dot{g}^{2}}$$

$$= \sqrt{\kappa^{2} n^{2} g^{2} + n^{2} g^{2}}$$

Uma vez que

$$2 = K (1 + w p) \approx cop = \frac{n}{k} - 1$$

$$\Rightarrow r^{1}w^{2}p = 1 - \left(\frac{n}{k} - 1\right)^{2}$$

$$= \frac{2n}{k} - \frac{n^{2}}{k^{2}}$$

Entas

$$V = \cancel{p} \sqrt{\kappa^2 \left(\frac{2n}{\kappa} - \frac{n^2}{\kappa^2}\right) + 2\kappa}$$

$$= \cancel{p} \sqrt{2\kappa n}$$