Ejemple tomille:

$$\omega = \dot{\theta} = ht$$
 con $k = cte$.

$$\frac{2N-L}{\theta-2} = \frac{2N}{L} = \frac{2N}{L}$$

$$\vec{r}(t) = S\hat{S} + Z\hat{K}$$

 $\vec{r}(t) = b\hat{S} + (\frac{L}{2\pi})\theta\hat{K}$

$$\vec{V}(t) = b \vec{\theta} \vec{\theta} + \left(\frac{L}{2\pi}\right) \vec{\theta} \hat{k}$$
; con $\vec{\theta} = kt$

; con
$$\theta = kt$$

$$\vec{a}(t) = b \ddot{\theta} - b \dot{\theta}^2 \hat{\beta} + \left(\frac{L}{2\pi}\right) \ddot{\theta} \hat{k}$$
, $\ddot{\theta} = k$

$$(\tilde{a}(t) = bk\hat{\theta} - bk^2t^2\hat{g} + (\frac{L}{2\pi})k\hat{k}$$

Cuando el tarrillo gira una vuelta completa:

de
$$\theta = 2\pi$$
 y $\dot{\theta} = kt \Rightarrow \theta(t) = \theta(0) + kt^2$

integrando

en una vuelta: $t = T = \sqrt{\frac{4\pi}{k}} = 2\sqrt{\frac{\pi}{k}}$