$$\mathcal{H}_{o}^{\varepsilon} = \frac{d\overline{L}_{o}}{dt} = \frac{d}{dt}(\overline{L}_{z}\overline{\omega}) = \overline{L}_{z}\frac{d\overline{\omega}}{dt} = \overline{L}_{z}\overline{\omega}$$

$$\Rightarrow [\bar{\alpha} = \bar{\alpha}(\epsilon)]$$

$$\Rightarrow \omega(t) = \omega_0 + dt$$

$$T_0^{\varepsilon} = \frac{dL_0}{dt} = \frac{d}{dt} (I_t \omega + I_s) =$$

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 $\Rightarrow \overline{\Pi}_{0}^{\varepsilon} = \overline{L}_{2} \overline{\alpha} + \frac{d\overline{L}_{1}}{dt}$ $\Rightarrow Voriothous orientosions$

$$= \frac{d\hat{p}}{dt} = \frac{dw}{dt} = \frac{w}{v} + \frac{w}{v} = \frac{v}{v} = \frac{v}{v}$$

$$\alpha = ? \omega(t = 2) = ?$$

$$V_{CH} = 0 \Rightarrow \tilde{R}^{E} = 0$$

Therefore
$$(N=0)$$

 $-\frac{1}{1}$ $= \frac{1}{1}$ $= \frac{1}{1}$



$$m'$$
 = 1 kg

 $P = 9.8 \text{ N}$
 $M^{\epsilon} = RT = I_{\epsilon}\alpha$
 $M' = I_{\epsilon}\alpha$

$$\Rightarrow d = \frac{2m'g}{R(m+2m')} = 1.8 \text{ rad/s}^2$$