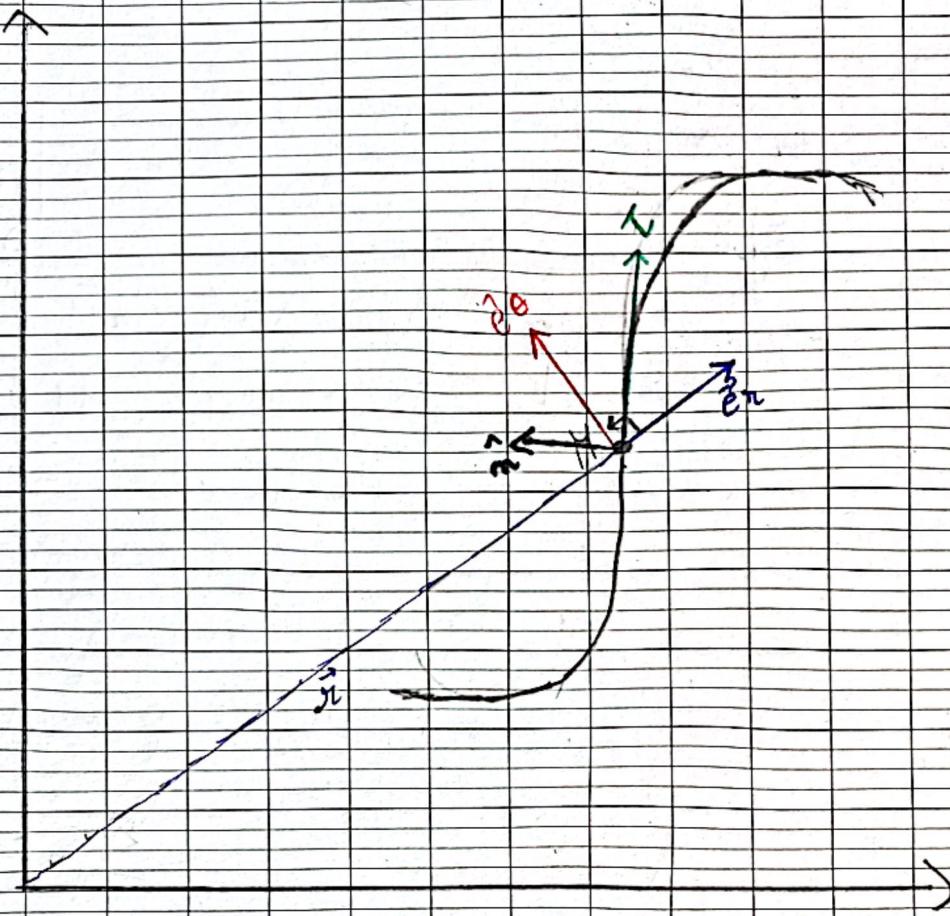


Equation of motion in polar coordinates :



\hat{e}_r directed towards with r

\hat{e}_θ to \hat{e}_r (بکی اراده ای) } $\hat{e}_\theta \Rightarrow$

$\hat{m} \parallel \hat{T}$ (directed toward with the center of gyration) $\hat{T} \Rightarrow$

\hat{T} tangent in the direction of motion } $\hat{T} \Rightarrow$

$\hat{m} = -\hat{e}_r$ (not always correct)

In the case of a circular motion $\hat{m} = -\hat{e}_r$