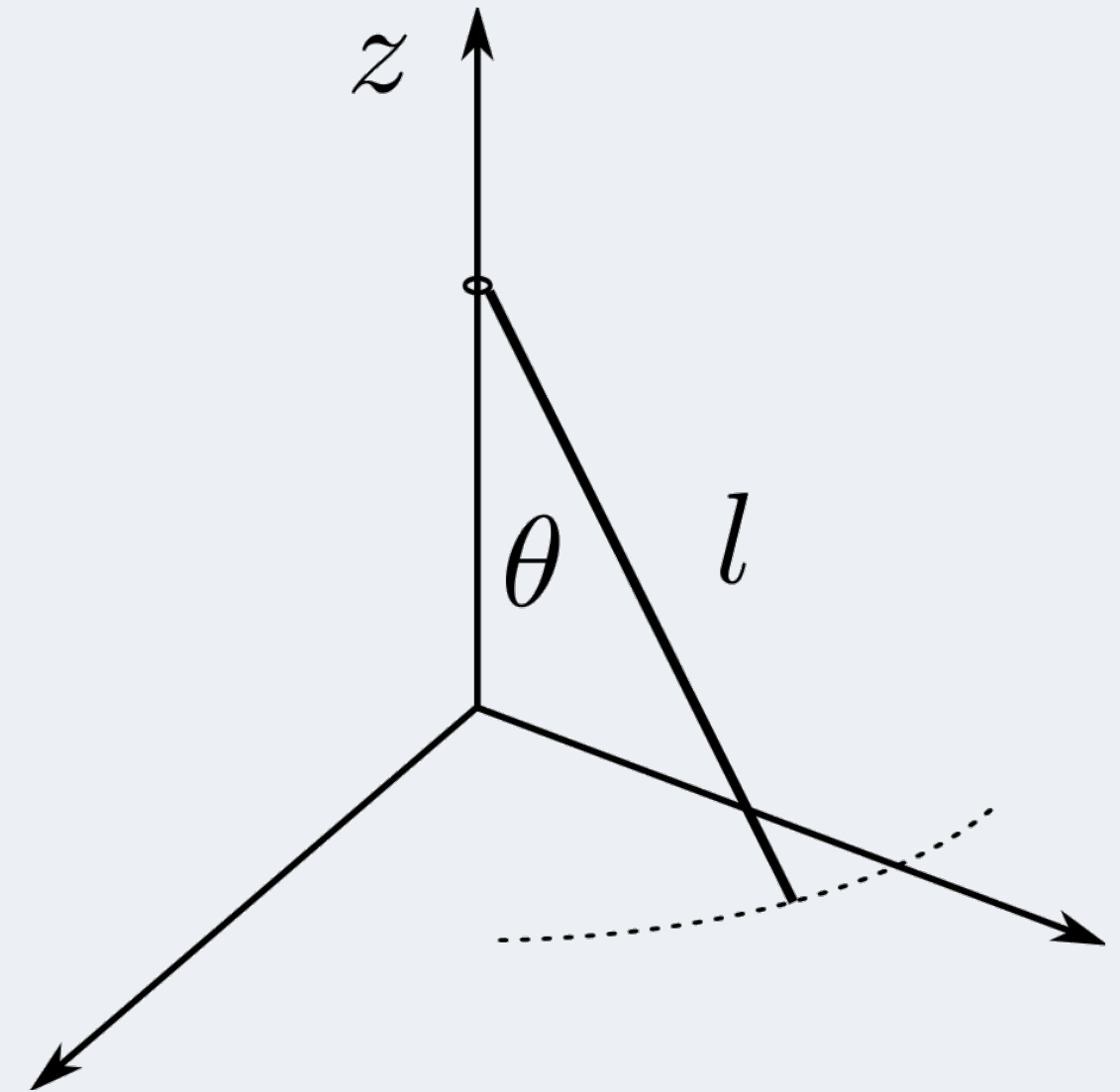
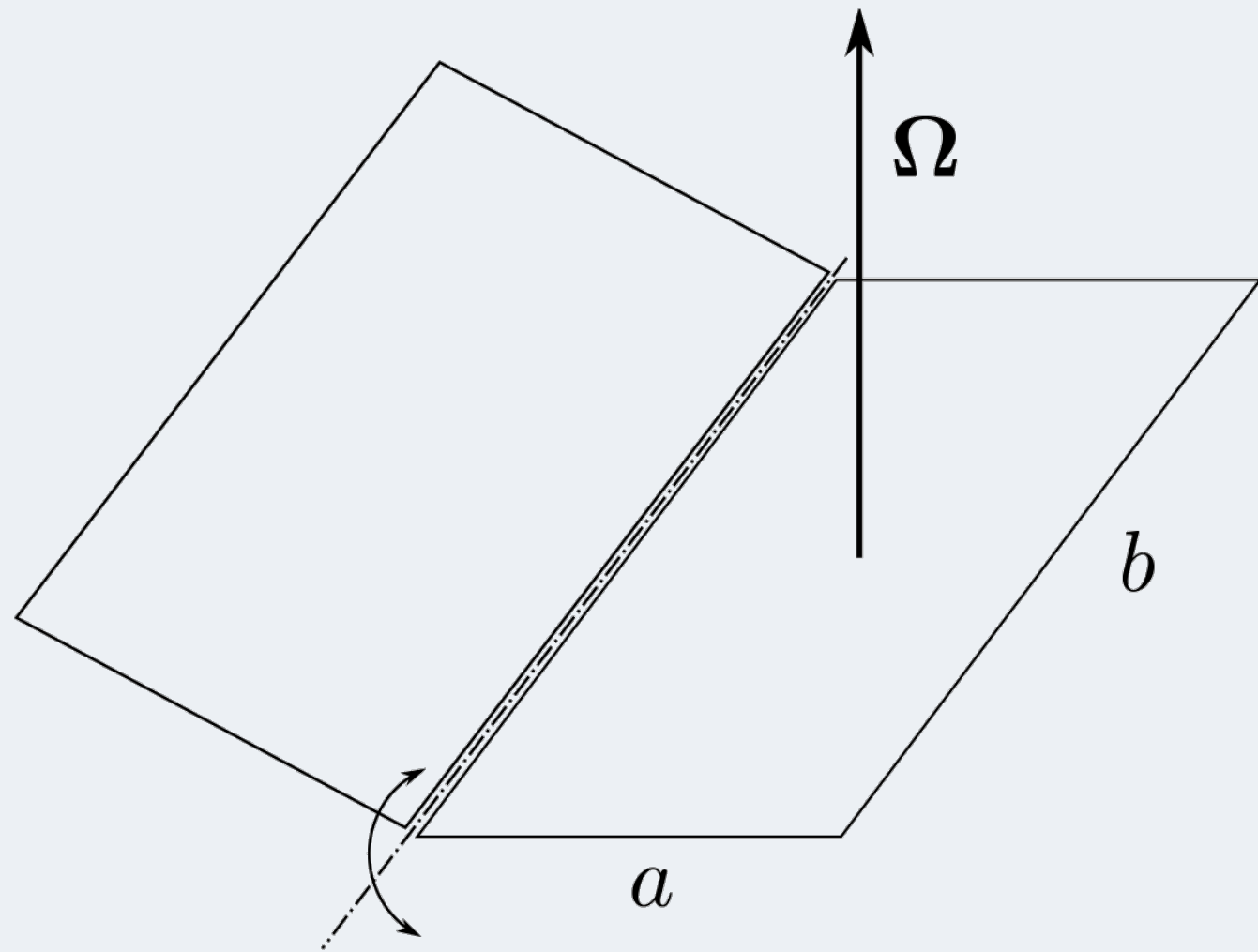


Hola

– El cuaderno y la escoba engarzada –



$$T = T_{\text{cm}} + T_{\text{rot}}$$

$$T = T_{\text{cm}} + T_{\text{rot}}$$

$$T = T_{\text{cm}} + T_{\text{rot}}$$

$$T = T_{\text{cm}} + T_{\text{rot}}$$

$$T_{\text{rot}} = \frac{1}{2} I_1 (\Omega_1)^2 + \frac{1}{2} I_2 (\Omega_2)^2 + \frac{1}{2} I_3 (\Omega_3)^2$$

$$T = T_{\text{cm}} + T_{\text{rot}}$$

$$T_{\text{rot}} = \frac{1}{2} I_1 (\Omega_1)^2 + \frac{1}{2} I_2 (\Omega_2)^2 + \frac{1}{2} I_3 (\Omega_3)^2$$

$$T = T_{\text{cm}} + T_{\text{rot}}$$

$$T_{\text{rot}} = \frac{1}{2} I_1 (\Omega_1)^2 + \frac{1}{2} I_2 (\Omega_2)^2 + \frac{1}{2} I_3 (\Omega_3)^2$$

$$T = T_{\text{cm}} + T_{\text{rot}}$$

$$T_{\text{rot}} = \frac{1}{2} I_1 (\Omega_1)^2 + \frac{1}{2} I_2 (\Omega_2)^2 + \frac{1}{2} I_3 (\Omega_3)^2$$

$$\vec{\Omega} = \Omega_1 \hat{1} + \Omega_2 \hat{2} + \Omega_3 \hat{3}$$

$$T = T_{\text{cm}} + T_{\text{rot}}$$

$$T_{\text{rot}} = \frac{1}{2} I_1 (\Omega_1)^2 + \frac{1}{2} I_2 (\Omega_2)^2 + \frac{1}{2} I_3 (\Omega_3)^2$$

$$\vec{\Omega} = \Omega_1 \hat{1} + \Omega_2 \hat{2} + \Omega_3 \hat{3} = \dot{\phi} \hat{z} + \dot{\theta} \hat{n} + \dot{\psi} \hat{3}$$

$$T = T_{\text{cm}} + T_{\text{rot}}$$

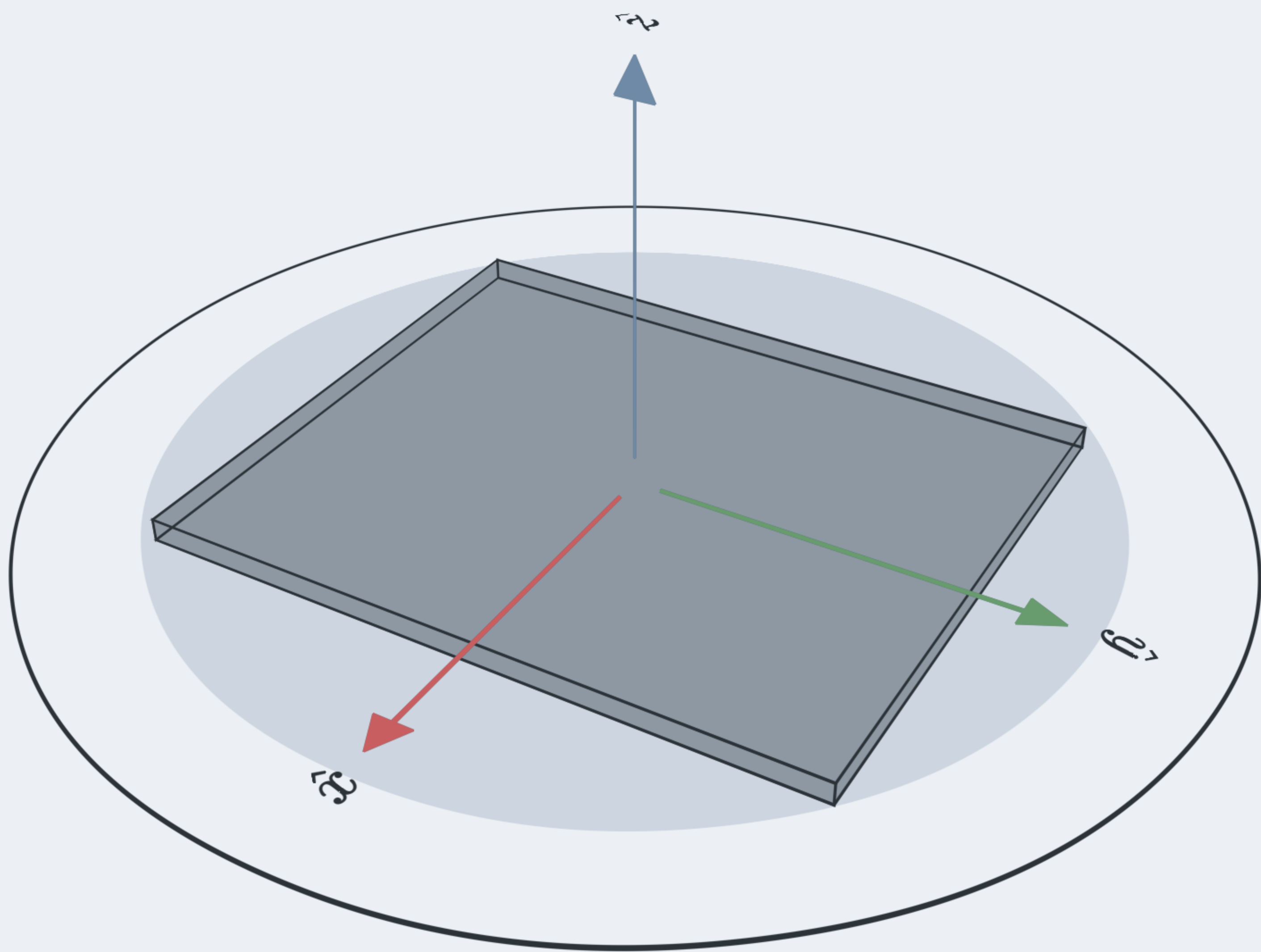
$$T_{\text{rot}} = \frac{1}{2} I_1 (\Omega_1)^2 + \frac{1}{2} I_2 (\Omega_2)^2 + \frac{1}{2} I_3 (\Omega_3)^2$$

$$\vec{\Omega} = \Omega_1 \hat{1} + \Omega_2 \hat{2} + \Omega_3 \hat{3} = \dot{\phi} \hat{z} + \dot{\theta} \hat{n} + \dot{\psi} \hat{3}$$

$$\Omega_1 = \dot{\phi} \sin \theta \sin \psi + \dot{\theta} \cos \psi$$

$$\Omega_2 = \dot{\phi} \sin \theta \cos \psi - \dot{\theta} \sin \psi$$

$$\Omega_3 = \dot{\phi} \cos \theta + \dot{\psi}$$



– El cuaderno –

