



≡ Item Navigation

Angular Momentum

The angular momentum \mathbf{l} of a point mass m relative to an origin is defined as

$$\mathbf{l} = \mathbf{r} \times \mathbf{p},$$

where \mathbf{r} is the position vector of the mass and $\mathbf{p} = m\dot{\mathbf{r}}$ is the momentum of the mass. Show that

$$|\mathbf{l}| = mr^2|\dot{\theta}|.$$

✓ Completed

Go to next item



Like



Dislike



Report an issue

