

n Cheat Sheet by qwet11 via cheatography.com/122543/cs/22774/

 $\sum pi = \sum pf$

f

Momentum

Conversed:

When Momentum is

Rotational Motion

 $sin\theta$

Linear to Rotational Conversions

a=rα

 $x = r\theta$ v=rω

Rotational Kinematics

 $\Delta\theta = \omega it +$ $\omega = \omega i +$ $\omega^2 = \omega i^2 +$ $\frac{1}{2}\alpha t^2$ αt 2αΔθ

Rotational Momentum

 $K = \frac{1}{2}I\omega^{2}$ $L=I\omega$ $\Delta L = \tau \Delta t$

Momentum

When Momentum is $\sum pi = \sum pf$ Conversed:

 $\Delta p = F\Delta t \text{ or } J =$ p = mv

Elastic Collision (KE m1v1 + m2v2 =m1v3 + m2v4

conserved, p conserved)

By qwet11

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Not published yet.

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