

$\vec{r} \times \vec{F}$ (N·m) = $\vec{r} \times m\vec{a}$ (N·m)

torque = $\vec{r} \times \vec{F}$ (N·m)

$\vec{r} \times m\vec{v}$ (N·m·s) angular momentum (L) = $\vec{r} \times p$

$\frac{dL}{dt} = \vec{r} \times \vec{F}$ (N·m/s) = torque

$\vec{L} = \vec{r} \times m\vec{v}$ (N·m·s)

$\vec{L} = \frac{d}{dt} (\vec{r} \times m\vec{v})$ (N·m·s)