

# University Physics 1A

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## Torque

Torque is the rotational analog of force.

$$\vec{\tau} = \vec{r} \times \vec{F}$$

$\vec{r}$  is the displacement vector that points from the reference point to the location of force  $\vec{F}$ .

$$\tau = rF \sin \theta$$

$$\vec{\tau}_{net} = I\vec{\alpha}$$

You can find all my notes at <http://omgimanagerd.tech/notes>. If you have any questions, comments, or concerns, please contact me at [alvin@omgimanagerd.tech](mailto:alvin@omgimanagerd.tech)