



Flipping Physics Lecture Notes:

Angular Acceleration Introduction

The equation for average *linear* acceleration is: $\bar{a}_{avg} = \frac{\Delta \vec{v}}{\Delta t}$

- Average *linear* acceleration equals change in *linear* velocity over change in time.

The equation for average *angular* acceleration is: $\bar{\alpha}_{avg} = \frac{\Delta \vec{\omega}}{\Delta t}$

- Average *angular* acceleration equals change in *angular* velocity over change in time.
- The symbol for angular acceleration is the lowercase Greek letter alpha, α .
 - We often call it “fishy thing” instead.
- Units for angular acceleration are: $\frac{rad}{s^2}$
- Just like I mentioned when learning about angular velocity, we are not going to discuss direction until later.