

Review (Phys 101): Rotation

Variables v , ω , f , T

- **Velocity (v):**

- How fast a point moves.
- Units: usually m/s

- **Angular Frequency (ω):**

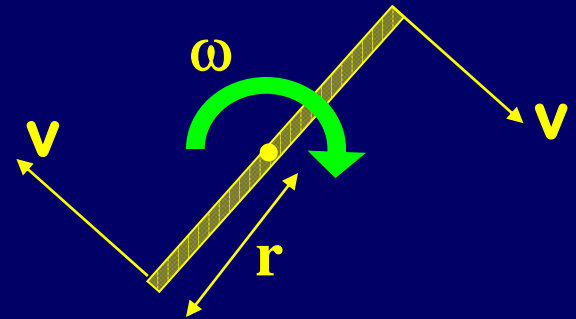
- How fast something rotates.
- Units: radians / sec

- **Frequency (f):**

- How fast something rotates.
- Units: rotations / sec = Hz

- **Period (T):**

- How much time one full rotation takes.
- Units: usually seconds



$$\omega = v / r$$

$$f = \omega / 2\pi$$

$$T = 1 / f = 2\pi / \omega$$