

Physics 1114 - General Physics I

Quiz #13 - 2012.06.27

Solutions

1. How is angular velocity defined? Be sure to state the units of angular velocity.

Angular velocity ω is the change in angles per unit time, and is usually measured in radians per second.

2. What is the relationship between linear velocity and angular velocity?

Linear velocity (or speed) is simply the product of angular velocity ω and the radius r of the circle of motion.