

# Physics 1114 - General Physics I

## Quiz #20 - 2012.10.12

### Solutions

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1. How is angular velocity defined?

Angular velocity,  $\omega$ , is defined to be the change in angle over change in time, i.e.,  $\omega = \lim_{\Delta t \rightarrow 0} \frac{\Delta \theta}{\Delta t}$

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

Linear velocity  $v$  is related to angular velocity by  $v = r\omega$ .