



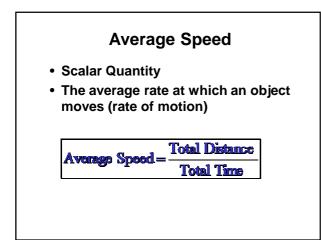
Types of Measurements

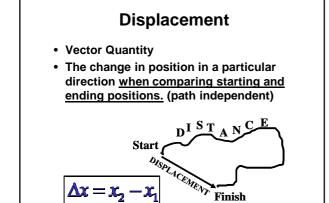
- Scalar
 - measure of quantity only
- Vector
 - measure of quantity and direction

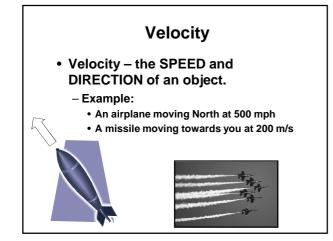
Measuring Distance

- Scalar Quantity
- The change in position of an object along a path.









Average Velocity

- Vector Quantity
- Change in position or direction (displacement) over a certain time

$$\overline{v} = \frac{\Delta x}{\Delta t} = \frac{x - x_0}{t - t_0}$$

Question

- What is the difference between speed and velocity?
- Speed is just distance/time. Velocity includes direction as well.

