

Summary of Concepts

- kinematics: A description of motion
- position: *your coordinates*
- displacement: $\Delta x = \text{change of position}$
- velocity: *rate of change of position*
 - average : $\Delta x / \Delta t$
 - instantaneous: slope of x vs. t
- acceleration: *rate of change of velocity*
 - average: $\Delta v / \Delta t$
 - instantaneous: slope of v vs. t
- relative velocity: $v_{ac} = v_{ab} + v_{bc}$