

REPRESENTING MOTION

Vocabulary Review

Write the term that correctly completes the .

average speed	instantan		resultant
average velocity	position	model	scalar
coordinate system	instantaneous velocity	position	time interval
displacement	magnitude	position-time graph	vector
distance	motion diagram		

- instantaneous velocity The speed and direction of an object at a particular instant is the ____.
- magnitude Another term given for the size of a quantity is the ____.
- position The ____ is the location of an object relative to an origin.
- time interval The formula $t_f - t_i$ represents ____.
- vector A ____ is a quantity with both magnitude and direction.
- average velocity Ratio of the change in position to the time interval during which the change occurred is the ____.
- coordinate system A system that defines the zero point of the variable you are studying is the ____.
- origin The zero point is also called the ____.
- position-time graph A graph with time data on the horizontal axis and position data on the vertical axis is a ____.
- motion diagram A ____ shows a series of images showing the position of a moving object over equal time intervals.
- resultant A vector that represents the sum of two or more vectors is a ____.
- particle model A simplified motion diagram that shows the object in motion as a series of points is a ____.
- distance A scalar quantity that is the length, or size, of the displacement vector is ____.
- scalar A quantity that has only magnitude is ____.

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Kelli Allen



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