

Chapter 1

Jeffrey Wubbenhorst

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- SI Base Quantities are:
 - Length: meter (m)
 - Time: second (s)
 - Mass: kilogram (kg)
- Density $\rho = \frac{m}{V}$ (where m is mass and V is volume)
- Displacement $\Delta X = x_2 - x_1$
- Average velocity is given as $v_{avg} = \frac{\Delta x}{\Delta t}$
- $a_{avg} = \frac{\Delta v}{\Delta t}$