

Information for the Quiz on Ch. 1

Fundamental Concepts

Things you must know:

- (1) Definition of average velocity (and the position update formula)
- (2) Definition of momentum

$$g = \frac{1}{\sqrt{1 - \left(\frac{|v|}{c}\right)^2}}$$

Specific Results

None, so far.

Physical Constants

$$c = 3 \times 10^8 \text{ m/s}$$

$$m_{\text{proton}} = 1.7 \times 10^{-27} \text{ kg}$$

$$m_{\text{electron}} = 9 \times 10^{-31} \text{ kg}$$