Phy1014

Weeks 1 to 4 formulas

# Percent Uncertainty

# Motion with constant speed

S is speed

T is time

D is distance

# Motion with constant acceleration

is acceleration

t is time

is initial velocity

is final velocity

Acceleration, initial velocity, and final velocity are vector quantities!!!

Make sure you draw a picture to indicate their direction relative to chosen direction of the x axis.

# Second Newton’s Law

is net force which can consist of several forces with different directions.

is mass

is acceleration

Force and acceleration are vector quantities.

Make sure you draw a picture to indicate their direction relative to chosen direction of the x axis.