

Flipping physics

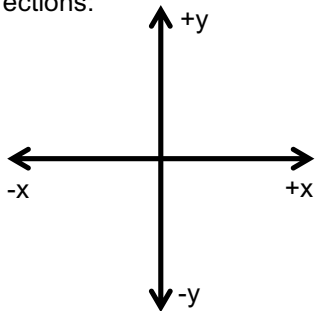
Flipping Physics Lecture Notes:

Introduction to Displacement and the Difference between Displacement and Distance

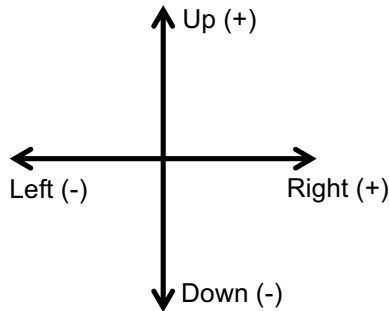
Displacement:

- The straight-line distance between the initial and final points
- The symbol is Δx , where Δ means “change in” and x means “position”
- The change in position of an object
- $\Delta x = x_f - x_i$ (read, displacement equals position final minus position initial)
- Can be either positive or negative
- Possible dimensions: meters, feet, kilometers, furlongs, rods, ångström, etc (any linear dimension)
 - o This number is the Magnitude or amount of the displacement
- Has both magnitude and direction
- Displacement \neq Distance

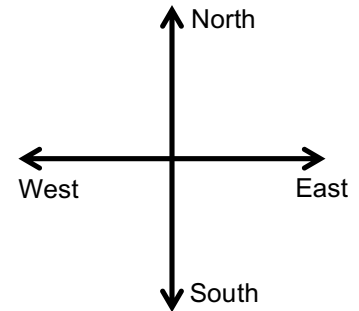
Directions:



Cartesian Coordinates



Relative Directions



Cardinal Directions

The 3 examples are done in the video don't really need lecture notes.