

Yesterday's Lab: What was that all about???

Unit I - Kinematics

Text book reading Ch. 2.2 pp. 35-46

Kinematics: The study of motionLast year: Scalars - magnitude (size)distance (d)speed (v)

time

temperature

volume

mass

density

length

energy

work

This year: vectors - magnitude AND directiondisplacement (\vec{d})velocity (\vec{v})acceleration (\vec{a})

Force

Pressure

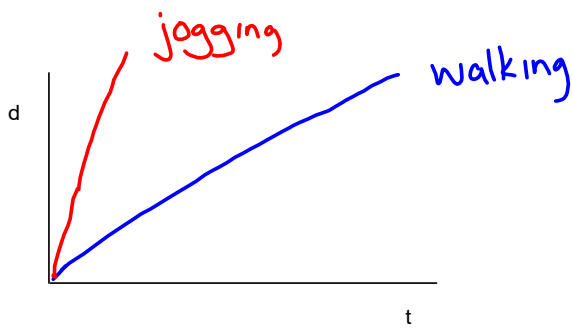
momentum

Area

Current

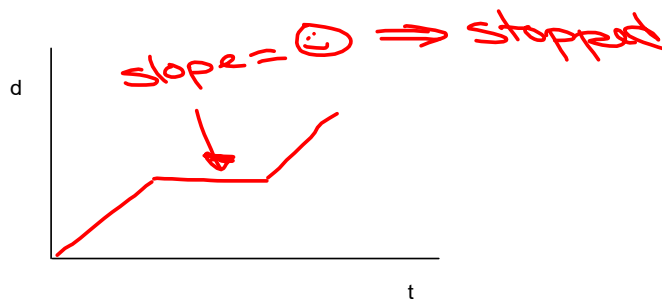
Torque

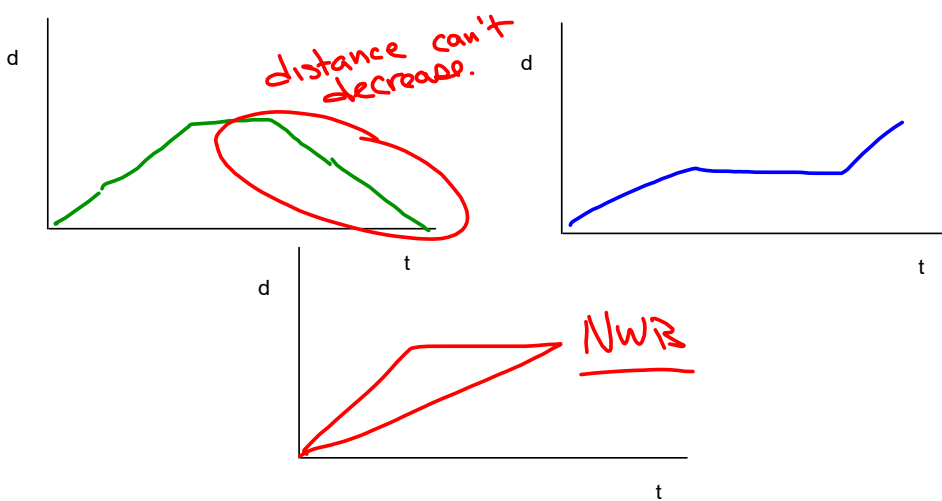
Distance-Time Graphs



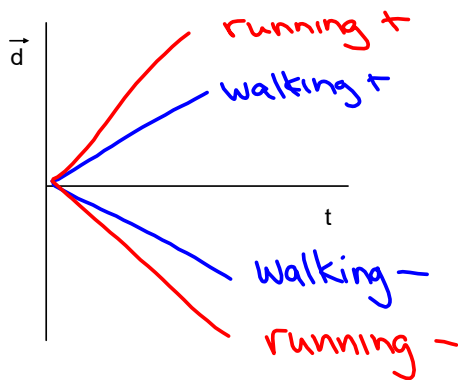
Slope = speed

Graph Sketching





Displacement-Time Graphs

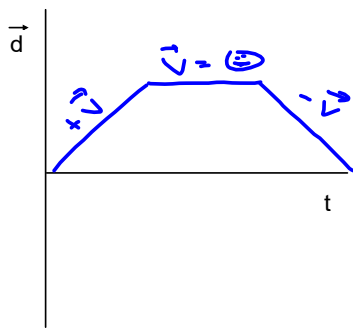


\vec{d} ← symbol to rep a vector
 d ← displacement

Conventions

+	—
right	left
up	down
East	West
North	South
forward	backward.

Slope = velocity $\Rightarrow \vec{v}$ how fast and which way



Homework: p. 46 #1-3, Read section 2.3