

Objects like to move along a straight line with constant velocity.

Motion in circles.

- There has to be a force directed toward the center of the circle to make an object move in a circle.

- Net radial force:

$$F_{\text{NET}(R)}$$

Feb 18-9:15 AM

Nature of the net radial force:

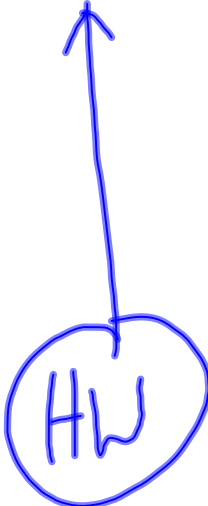
- tension
- normal
- friction
- applied
- gravity
- etc.
- combination of any forces acting along the radius of the circle.

Feb 18-9:50 AM

UCM = uniform circular motion

uniform: speed, acceleration?, ~~velocity?~~

(= CONSTANT) YES ✓ NO (DIRECTION CHANGES)



Feb 18-9:52 AM