

Newton's First Law

November-12-15 8:32 AM

(originally made by Galileo)

Law of Inertia:

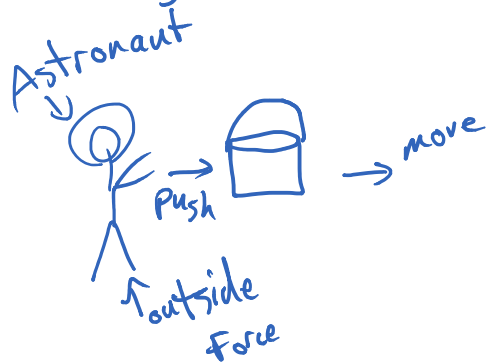
An object will continue in its current state of motion until acted upon by an outside unbalanced force.

Inertia: Tendency for a mass to resist change in motion.

An object's inertia is directly proportional to its mass.

Examples:

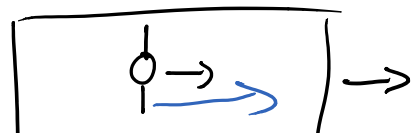
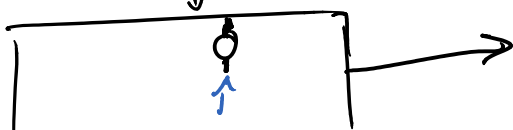
Objects in space: → really far away from everything.

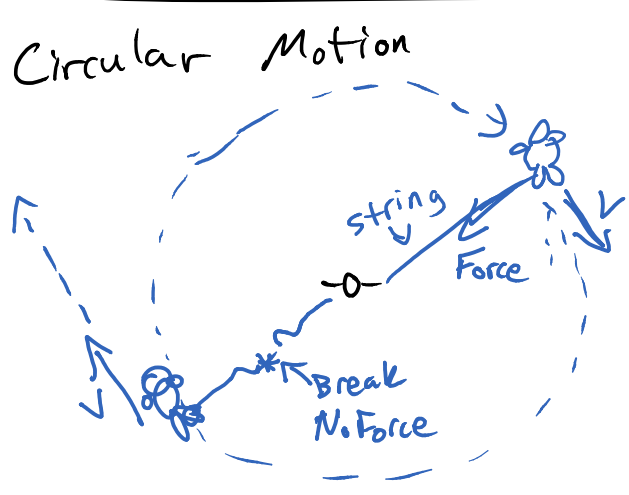
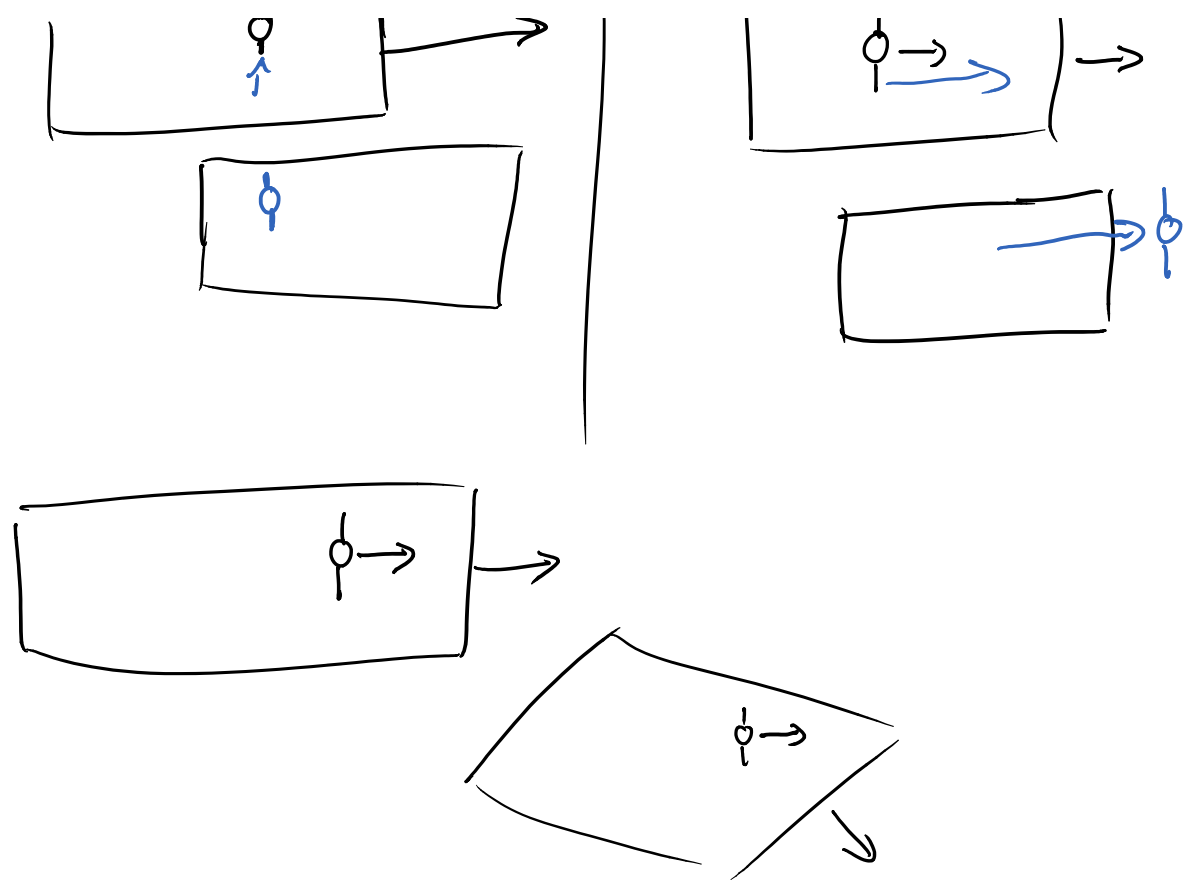


↑ how long will the bucket move with velocity "v"?
Infinite long.

Top Down View
Cars

Start at rest
no seats





Will move in its original direction until something forces it to change.

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