

Newton's laws of motion

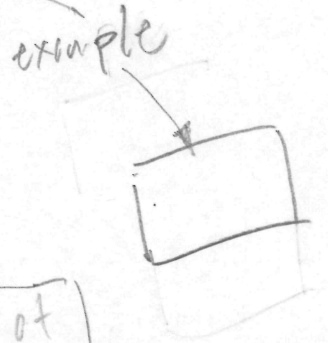
first law

second law

third law

also called
law of inertia

states that
an object at rest will stay at rest



equation
 $F = ma$

law of
action-reaction

unless acted on by an outside force

or
an object in motion will stay in motion