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The path of such a particle is called a projectile and the motion is called projectile motion. In a Projectile Motion,

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there are two simultaneous independent rectilinear motions: Along the x-axis: uniform velocity, responsible for the horizontal (forward) motion of the particle.

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Motion of a ball on the ground. Here, the ball is rotating about an axis but the axis itself is moving along a straight line. Thus, the ball executes a rectilinear motion as well as rotational motion. Motion of earth—earth executes rotations on its axis and also revolves around the sun. Unit of measurements

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then an equation of motion and the
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all set (initially) in the background of an
inertial frame of ... (uniform rectilinear
motion). This statement is the essence of
Newton's first law of motion. In Newton's ...

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Yield Strength Definition Stress Strain Graph
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There are three equations of bodies moving with uniform acceleration which we can use to solve problems of motion ; First Equation of motion. The first equation of motion is $(v = u + at)$, where v is the final velocity and u is the initial velocity of the body. First equation of motion gives velocity acquired by body at any time (t) .

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perihelion of Mercury, the bending of light in gravitational fields, and the gravitational redshift. The precession of Mercury was already known; experiments showing light bending in ...

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