



Simultaneous launcher with spheres

SCN-F002G

Function

Intended for experimental study, physics laboratory, natural science laboratory, carrying out physics experiments on: Kinematics. Horizontal launches and decomposition of parabolic motion into two simultaneous rectilinear motions. Horizontal launches from the same height. The measure of the range, on the ground plane, of a launch with initial velocity v_1 and height h . The measure of the range, on the ground plane, of a launch with initial velocity v_2 and height h . The measure of the range, on the ground plane, of a launch with initial velocity v_3 and height h . Comparing the ranges obtained in launches with different initial speeds. Time of flight does not depend on the horizontal component of velocity in a horizontal launch. Comparing the flight time of the projectile launched from a height h and velocity v_1 , with the time in free fall from a height h . Comparing the flight time of the projectile launched from a height h and velocity v_2 , with the time in free fall from a height h . Comparing the flight time of the projectile launched from a height h and velocity v_3 , with the time in free fall from a height h . Parabolic motion decomposed into two simultaneous rectilinear motions, a horizontal MRU and a vertical MRUV, etc.

Knowledge areas

Physics

Level

High school

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