

2-D (vectors)

Component representation Angle- magnitude representation Decomposition into orth. components Mag. via components + pythag. Direction via components + trigonometry Components via mag + trigonometry

Projectile motion

Independence of x and y directions Behavior of x, y, v_x, v_y, a_x, a_y in trajectory Zeros, maxima along trajectory Time of flight comparisons Possible symmetries in values Special trajectories: "half", y_i = y_f = 0