9 1 Projectile Motion Hw Study Packet

Kindle File Format 9 1 Projectile Motion Hw Study Packet

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9 1 Projectile Motion Hw

9.1 PROJECTILE MOTION HW/Study Packet
1 91 PROJECTILE MOTION HW/Study Packet HL Required: READ Hamper pp 27-31 Supplemental: READ Tsokos, pp 132-139 DO Questions pp 139-141 #1,3,5,10,17,18 READ Cutnell and Johnson, pp 65-73 UNIT OUTLINE FROM THE IB DATA BOOKLET Nothing explicitly useful for this topic
8. 9.
serros (mcs3778) – HW Projectile Motion – serros – (131401) 2 Answer in units of m/s 005 100points A cat chases a mouse across a 17 m high table The mouse steps out of the way, and the cat slides off the table and strikes the floor 25 m from the edge of the table The acceleration of gravity is 981 m/s2
Projectile Motion - University of Arizona
Projectile Motion NAME_____ DATE:_____ Example: A cannon is fired with an initial total velocity of 802 m/s at an angle of 28° How long is the cannon ball in the air? How far (horizontally) did it travel? 1 Two students decide to throw their text books off of the roof of a 160 m tall building
HW Set I – page 1 of 9 PHYSICS 1401 (1) homework solutions
HW Set I – page 9 of 9 PHYSICS 1401 (1) homework solutions 4 - 30 Two seconds after being projected from ground level, a projectile is displaced 40 m horizontally and 53 m vertically above its point of projection What are the (a) horizontal and (b) vertical components of the initial velocity of the projectile?
Horizontal Projectile Motion Worksheet
Horizontal Projectile Motion Worksheet 1 Florence Griffith-Joyner of the United States set the women’s world record for the 200 m run by running with an average speed of 937 m/s Suppose Griffith-Joyner wants to jump over a river She runs horizontally from the
Homework Projectile mod - Fulmer's Physics

Projectile Motion 4 Horizontal 9 Trajectory 5 Independent 10 Vertical Problems: See Example Problem 1 p155 1 You are preparing breakfast and slide a plate on the countertop Unfortunately, you slide it too fast, and it flies off the end of the countertop If the countertop is 105 m above the

Ch. 4 Projectile Motion - Siena College

• MasteringPhysics online HW due tonight, Thursday 9/20 by 11 pm • Read Chapter 4 to the end by Tuesday 9/25 • Pre-class MasteringPhysics assignment due before class on Tuesday 9/25 • MasteringPhysics online HW due, Thursday 9/27 by 11 pm • Exam 1 coming up on 10/2

HW - Motion in 1D 3 Answers

1 Honors Physics Motion In One Dimension HW #3 Complete the following problems on a separate sheet of paper Significant Figures are to be used 1 The skid marks left by the decelerating jet-powered car The Spirit of America were 960 km long shot a projectile straight up to an altitude of 1800 km If the projectile's initial speed was

HW 6.5.1 Projectile Motion

HW 651: Parametric Equations – Projectile Motion x(t)=(v 0cosθ)t y(t)=h 0+(v 0sinθ)t−16t2 1 Partnering up with Tiger Weeds is Jordan Spittoon out of the Dallas area He hits a shot that goes 280 feet and skims the top of a 120-foot tree at the peak of the ball's path a

Problem: Projectile (CM-1998)

Projectile Motion Horizontal velocity is constant x = v xo t Vertical velocity is accelerated at -g v y = v o - gt y = y o + v yo t - 1/ 2 gt2 v y 2 = v yo 2 - 2g(y – y o) The trajectory is defined mathematically by a parabola Problem: Projectile (CM-1998) 2 The velocity of a projectile at launch has a horizontal component v h and a

HW#3 Vectors and projectile motion - University of Kentucky

HW3 Vectors and projectile motion Problem 1: Answer the following question concerning vectors Part (a) From the given list choose all that are examples of vectors 1) Force 2) Speed 3) Velocity 4) Mass 5) Volume 6) Acceleration 7) Temperature

Projectile Motion Homework 1 - Mr. Swanson's Physics Class

Projectile Motion Homework 1 Ignore air resistance for all problems 1) A brick is dropped from the roof of a building The brick strikes the ground in 250 sec Air resistance may be ignored How tall is the building? 9) An egg is thrown vertically downward from a window If the egg was released with a

4 Projectile Motion

Projectile Motion Page 3 of 7 14 At take -off from a spring board, the total body center of mass (TBCM) of a diver is located 150 m above the board The diver leaves the spring board with a resultant TBCM velocity of 920 m/s acting at an angle of 20 0° clockwise from the vertical Assuming no air resistance, determine the following: a

4 - Projectile

motion is three dimensional, but we will, for simplicity's sake, deal only with motion in two dimensions – up/ down, and sideways The key to efficiently deal with projectile motion is to simply break the velocity down into its horizontal and vertical components Vectors that are perpendicular to …

Unit 2 Projectile Motion - Physics at SPASH

Regardless of its path, a projectile will always follow these rules: 1 Projectiles always maintain a constant horizontal velocity (neglecting air resistance) 2 Projectiles always experience a constant vertical acceleration of 98 m/s2 downward (neglecting air resistance) 3 Horizontal and vertical motion are completely independent of each

PHY - Frederick County Public Schools

Go over HW Projectile Motion: Horizontal HW: 1&3 on 102 Go over HW Projectiles Launched at an Angle HW: 3&5 104 Thursday Friday Homework Kitty Cannon Lab HW: Finish Lab Projectile Performance Assessment HW: NEES 4-1 NEES 3-3 and 4-1 1&3 on 103, 3&5 on 104 Finish Lab Analysis Title: Microsoft Word - Week 9doc

Name: Date: Physics I H Mr. Tiesler Solutions to ...

Solutions to Projectile Motion Homework Problems 11-15 12) A projectile is fired from ground level with an initial speed of 556 m/s at an angle of 412° above the horizontal (a) Determine the time necessary for the projectile to reach its maximum height (b) Determine the maximum height reached by the projectile 1 2 :980 □/2

EXPLORING DATA AND STATISTICS Parametric Equations and ...

Page 1 of 2 137 Parametric Equations and Projectile Motion 815 MODELING PROJECTILE MOTION Parametric equations can also be used to model nonlinear motion in a plane For instance, consider an object that is projected into the air at an angle † with an initial speed vThe object's parabolic path can be modeled with the parametric equations