

Problem 1.67

You throw a tennis ball straight upward. The initial speed is about 12 m/s.

Part A

How long will it take for the ball to reach its maximum height?

Express your answer to three significant figures and include the appropriate units.

$t = 1.22 \text{ s}$

Submit

[My Answers](#) Give Up

Correct

Part B

What is the maximum height that the ball will reach?

Express your answer to three significant figures and include the appropriate units.

$y_{\max} = 7.35 \text{ m}$

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Part C

Is 12 m/s a realistic speed for an object that you can throw with your hands?

- ☐ no
☒ yes

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Correct

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Sergei Kruchinin



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KINEMATICS IN ONE DIMENSION KINEMATICS IN TWO OR THREE DIMENSIONS VECTORS DYNAMICS NEWTON S LAWS OF MOTION USING NEWTON S LAWS FRICTION CIRCULAR MOTION DRAG FORCES GRAVITATION AND NEWTON S6 SYNTHESIS WORK AND ENERGY CONSERVATION OF ENERGY LINEAR MOMENTUM ROTATIONAL MOTION ANGULAR MOMENTUM GENERAL ROTATION STATIC EQUILIBRIUM ELASTICITY AND FRACTURE FLUIDS OSCILLATIONS WAVE MOTION SOUND TEMPERATURE THERMAL EXPANSION AND THE IDEAL GAS LAW KINETIC THEORY OF GASES HEAT AND THE FIRST LAW OF THERMODYNAMICS SECOND LAW OF THERMODYNAMICS ELECTRIC CHARGE AND ELECTRIC FIELD GAUSS S LAW ELECTRIC POTENTIAL CAPACITANCE DIELECTRICS ELECTRIC ENERGY STORAGE ELECTRIC CURRENTS AND RESISTANCE DC CIRCUITS MAGNETISM SOURCES OF MAGNETIC FIELD ELECTROMAGNETIC INDUCTION AND FARADAY S LAW INDUCTANCE ELECTROMAGNETIC OSCILLATIONS AND AC CIRCUITS MAXWELL S EQUATIONS AND ELECTROMAGNETIC WAVES LIGHT REFLECTION AND REFRACTION LENSES AND OPTICAL INSTRUMENTS THE WAVE NATURE OF LIGHT INTERFERENCE DIFFRACTION AND POLARIZATION SPECIAL THEORY OF RELATIVITY EARLY QUANTUM THEORY AND MODELS OF THE ATOM QUANTUM MECHANICS QUANTUM MECHANICS OF ATOMS MOLECULES AND SOLIDS NUCLEAR PHYSICS AND RADIOACTIVITY NUCLEAR ENERGY EFFECTS AND USES OF RADIATION ELEMENTARY PARTICLES ASTROPHYSICS AND COSMOLOGY Market Description This book is written for readers interested in learning the basics of physics

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Association, Information Resources,2013-06-30 The design development and use of suitable enterprise resource planning systems continue play a significant role in ever evolving business needs and environments Enterprise Resource Planning Concepts Methodologies Tools and Applications presents research on the progress of ERP systems and their impact on changing business needs and evolving technology This collection of research highlights a simple framework for identifying the critical factors of ERP implementation and statistical analysis to adopt its various concepts Useful for industry leaders practitioners and researchers in the field **Problems And Solutions In Special Relativity And Electromagnetism**

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