

# Physics

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(Chapter 3) (Motion in a straight line) (Exercises)

(Class 11)

Total time taken in the whole journey = 30 + 20 = 50 min

$$\text{Average velocity} = \frac{\text{Displacement}}{\text{Time}} = \frac{2.4}{1} = 5 \text{ km/h} \quad \dots (a(i))$$

$$\text{Average speed} = \frac{\text{Distance}}{\text{Time}} = \frac{2.5}{1} = 5 \text{ km/h} \quad \dots (b(i))$$

$$\text{Time} = 50 \text{ min} = \frac{5}{6} \text{ h}$$

$$\text{Net displacement} = 0$$

$$\text{Total distance} = 2.5 + 2.5 = 5 \text{ km}$$

$$\text{Average velocity} = \frac{\text{Displacement}}{\text{Time}} = 0 \quad \dots (a(ii))$$

$$\text{Average speed} = \frac{\text{Distance}}{\text{Time}} = \frac{5}{\frac{5}{6}} = 6 \text{ km/h} \quad \dots (b(ii))$$

$$\text{Speed of the man} = 7.5 \text{ km/h}$$

$$\text{Distance travelled in first 30 min} = 2.5 \text{ km}$$

$$\text{Distance travelled by the man (from market to home) in the next 10 min}$$

$$= 7.5 \times \frac{10}{60} = 1.25 \text{ km}$$

$$\text{Net displacement} = 2.5 - 1.25 = 1.25 \text{ km}$$

$$\text{Total distance travelled} = 2.5 + 1.25 = 3.75 \text{ km}$$

$$\text{Average velocity} = \frac{1.25}{\left(\frac{40}{60}\right)} = \frac{1.25 \times 3}{2} = 1.875 \text{ km/h} \quad \dots (a(iii))$$

$$\text{Average speed} = \frac{3.75}{\left(\frac{40}{60}\right)} = 5.625 \text{ km/h} \quad \dots (b(iii))$$

## Question 3.15:

In Exercises 3.13 and 3.14, we have carefully distinguished between average speed and magnitude of average velocity. No such distinction is necessary when we consider instantaneous speed and magnitude of velocity. The instantaneous speed is always equal to the magnitude of instantaneous velocity. Why?

## Answer 3.15:

Instantaneous velocity is given by the first derivative of distance with respect to time i.e.,

$$V_{\text{in}} = \frac{dx}{dt}$$

Here, the time interval  $dt$  is so small that it is assumed that the particle does not change its direction of motion. As a result, both the total path length and magnitude of displacement become equal in this interval of time.

Therefore, instantaneous speed is always equal to instantaneous velocity.

# Mastering Physics Chapter 3 Solutions

**Janet Belsky**



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solution of the problems posed The approximate solution is usually computed on a computer by means of a suitable algorithm The objective of this book is to introduce and study the basic numerical methods and those advanced to be able to do scientific computation The latter refers to the implementation of approaches adapted to the treatment of a scientific problem arising from physics meteorology pollution etc or engineering structural mechanics fluid mechanics signal processing etc

Factory Physics for Managers (PB) Edward S. Pound, Jeffrey H. Bell, Mark L. Spearman, 2014-04-04 From the award winning developers of Factory Physics a powerful leadership guide for breakthrough performance A comprehensive guide that cuts through the hodgepodge of copycat initiatives overblown buzzwords confusing mathematics and misguided software Factory Physics for Managers is a breath of fresh air for operations managers and executives Written by the leaders and experts behind the bestselling Factory Physics it is a brilliant crash course in the practical science of operations designed to help you Achieve best possible profit cash flow and customer service Attain highest return with existing Lean Six Sigma and ERP initiatives Manage your capacity inventory response time and variability with high predictability Simplify management of complexity using existing IT systems Use the fundamentals of science to ensure your operation's success See your company and procedures more clearly Improve intuition decision making and strategy execution A strategy of imitation is not much of a strategy Most every company uses the common continuous improvement initiatives This highly accessible guide addresses but goes beyond other business approaches such as Lean Six Sigma and Theory of Constraints by offering a customizable plan that you can apply to any manufacturing based industry or supply chain You'll discover invaluable tools for developing operations strategy and driving execution by using practical science to assess your procedures target problems and find solutions You'll learn essential life lessons from the best and worst practices of corporate leaders like Toyota and Boeing You'll find ingenious new ways to improve your leadership by predictively managing the tradeoffs that every operation faces whether it's more or less inventory or capacity higher or lower customer service or more or fewer products Using this approach you can tackle these natural conflicts in business through a practical comprehensive science of operations Factory Physics for Managers makes it easier to choose and execute the best strategy for better productivity and even bigger profits Praise for Factory Physics for Managers Factory Physics for Managers is a proven path to flawless execution and results Leading vs following in our industry is predicated on the relentless pursuit of putting order to chaos Factory Physics science and CSuite software have given our organization the ability to plan predict model and execute based on explosive growth and rapid fire dynamic changes to our business model In our case history is not a good predictor of the future so we need to deploy our resources wisely and the Factory Physics approach has helped us do just that Larry Doerr COO Stratasys Shows how the science behind Lean initiatives can greatly improve results in terms of productivity and resources Bill Fierle Vice President and General Manager TopWorx Emerson Brings powerful accessible science to operations management The Factory Physics playbook enables me to lead the harnessing of our data more effectively for

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**College Physics** Randall Dewey Knight, Brian Jones, Stuart Field, 2007

**Calculus and Analytic Geometry** Al Shenk, 1979

**Japanese Journal of Applied Physics**, 2002

**Physics** Eugene Hecht, 2003 Student text An Introduction to Physics Measurement The Language of Physics Kinematics Speed Velocity Speed Velocity Relative Motion Kinematics Acceleration The Concept of Acceleration Uniformly Accelerated Motion Free Fall Newton's Three Laws The Three Laws Dynamics Statics Centripetal Force Gravity Centripetal Force Gravity The Cosmic Force Energy The Transfer of Energy Mechanical Energy Conservation of Mechanical Energy Momentum Collisions Linear Momentum Rotational Motion The Kinematics of Rotation Rotational Equilibrium The Dynamics of Rotation Solids Liquids Gases Atoms Matter Fluid Statics Fluid Dynamics Elasticity Oscillations Elasticity Harmonic Motion Waves Sound Mechanical Waves Sound Thermal Properties of Matter Temperature Thermal Expansion The Gas Laws Heat Thermal Energy Thermal Energy Change of State The Transfer of Thermal Energy Thermodynamics The First Law of Thermodynamics Cyclic Processes Engines Refrigerators The Second Law of Thermodynamics Electrostatics Forces Electromagnetic Charge The Electric Force The Electric Field Electrostatics Energy Electric Potential Capacitance Direct Current Flowing Electricity Resistance Circuits Circuit Principles Network Analysis Optional Magnetism Magnets the Magnetic Field Electrodynamics Magnetic Force Electromagnetic Induction Electromagnetically Induced emf Generators Self Induction AC Electronics Alternating Current R L C AC Networks Optional Electronics Optional Radiant Energy Light The Nature of Light The Electromagnetic Photon Spectrum The Propagation of Light Scattering Scattering Reflection Refraction The World of Color Geometrical Optics Instruments Lenses Mirrors Physical Optics Polarization Interference Diffraction Special Relativity Before the Special Theory The Special Theory of Relativity Relativistic Dynamics The Origins of Modern Physics Subatomic Particles The Nuclear Atom The Evolution of Quantum Theory The Old Quantum Theory Atomic Theory Quantum Mechanics The Conceptual Basis of Quantum Mechanics Quantum Physics Nuclear Physics Nuclear Structure Nuclear Transformation High Energy Physics Elementary Particles Quantum Field Theory A Brief Mathematical Review Algebra Geometry Trigonometry Vectors Dimensions

**Chemical & Metallurgical Engineering** Eugene Franz Roeber, Howard Coon Parmelee, 1922

**The Psychology of Aging** Janet Belsky, 1990 A humane sensitive approach to issues affecting the elderly memory sexuality widowhood retirement institutionalization death and dying Realistic clinical vignettes and case study material woven throughout

**Mechanical Engineering**, 1959 History of the American society of mechanical engineers Preliminary report of the committee on Society history issued from time to time beginning with v 30 Feb 1908

**Engineering News and American Contract Journal**, 1913

**Engineering**, 1903

**Machinery** Lester Gray French, 1898

**University Record** University of Chicago, 1901

**Machinery** Fred Herbert Colvin, Lester Gray French, 1898

**Physics Briefs**, 1985

**The Musical Herald**, 1912

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