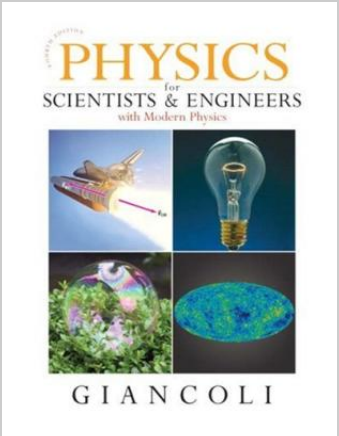

Physics for Scientists & Engineers with Modern Physics (4th Edition)

By Giancoli, Douglas C.

Addison-Wesley, 2008. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+ Customer Service! Summary: CONTENTS OF VOLUME 1 APPLICATIONS LIST xii PREFACE xiv AVAILABLE SUPPLEMENTS AND MEDIA xxii NOTES TO STUDENTS (AND INSTRUCTORS) ON THE FORMAT xxiv COLOR USE: VECTORS, FIELDS, AND SYMBOLS xxv CHAPTER1: INTRODUCTION, MEASUREMENT, ESTIMATING 1-1 The Nature of Science 1-2 Models, Theories, and Laws 1-3 Measurement and Uncertainty; Significant Figures 1-4 Units, Standards, and the SI System 1-5 Converting Units 1-6 Order of Magnitude: Rapid Estimating *1-7 Dimensions and Dimensional Analysis SUMMARY QUESTIONS PROBLEMS GENERAL PROBLEMS CHAPTER 2: DESCRIBING MOTION: KINEMATICS IN ONE DIMENSION 2-1 Reference Frames and Displacement 2-2 Average Velocity 2-3 Instantaneous Velocity 2-4 Acceleration 2-5 Motion at Constant Acceleration 2-6 Solving Problems 2-7 Freely Falling Objects *2-8 Variable Acceleration; Integral Calculus *2-9 Graphical Analysis and Numerical Integration SUMMARY QUESTIONS PROBLEMS GENERAL PROBLEMS CHAPTER 3: KINEMATICS IN TWO OR THREE DIMENSIONS; VECTORS 3-1 Vectors and Scalars 3-2 Addition of VectorsGraphical Methods 3-3 Subtraction of Vectors, and Multiplication of a Vector by a Scalar 3-4 Adding Vectors by Components 3-5 Unit Vectors 3-6 Vector Kinematics 3-7 Projectile Motion 3-8 Solving Problems Involving Projectile Motion 3-9 Relative Velocity SUMMARY QUESTIONS PROBLEMS GENERAL PROBLEMS CHAPTER...

Reviews

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