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Foundations of General Physics

Mechanics

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Preface

A course in Physics is part of any curriculum in science and engineering. The main objective of this course is to help students of engineering and/or other sciences in more advanced courses in these fields. A solid foundation in basic theories of physics is a must for accomplishing engineering or science degree. In this text, the emphasis will be on introducing the students to the fundamental concepts of physics and how different theories are developed from physical observations and phenomena. This textbook is geared more towards examples and problem solving techniques. The students will get a firsthand experience of how the theories in physics are applied to everyday problems in engineering and science. The learning outcome will be a broad knowledge and knowhow for problem solving techniques crucial in training engineers and scientists for a successful career in these fields.

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