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Colorado, where
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Associate Editor
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Galileo and

Newton in the

seventeenth

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Lagrange and

Hamilton in the

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physics are basically generalizations of classical mechanics. It is also often the first course which is taught to physics students. The approach of this book is to construct an intermediate

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Mechanics was

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The mathematical
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understand the

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mechanics. This book is divided into four parts.

Part I is a brief review of the general properties of classical and quantum systems.

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discussions of probability theory is also included which aims to help in understanding the probability theories relevant to quantum mechanics. Part II is a detailed study of the mathematics for

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quantum

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III presents
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mechanics in a
series of
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postulates are
presented to
describe
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postulate is supplemented with a detailed discussion. To make them easier to understand, the postulates for discrete observables are presented before those for continuous observables.

Part IV presents

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several
illustrative
applications,
which include

harmonic and
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magnetic fields
and the

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reference,

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Various symbols

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and physically,
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including
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