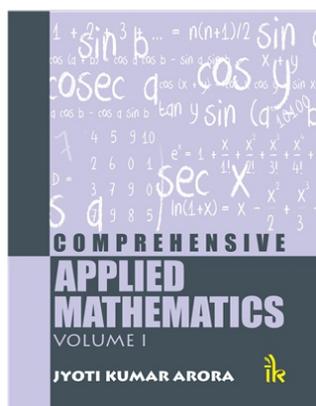# Comprehensive Applied Mathematics, 1/e
Jyoti Kumar Arora

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About the Book

The present book is designed for the course in Applied Mathematics to meet the requirements of the first year Diploma courses for all the engineering branches of different Technical Boards of Education in India. The objective of this book is to provide a simple presentation of the concepts, emphasizing understanding without sacrificing mathematical rigour. The book is composed of eighteen chapters. Each chapter presents illustrative solved examples and exercises. The problems given in exercises would develop interest and encourage the students to explore new ideas.

The book presents an exhaustive coverage of the theory, formulae and a large number of solved examples to make the underlying principles more comprehensive:

Salient Features

▸ Covered in 18 chapters the book covers diverse topics in algebra, trigonometry, geometry, coordinate geometry, calculus, statistics and probability.
▸ Every chapter gives an outline of the theoretical background, results and formulae, followed by illustrative solved examples and exercises.
▸ Over 800 solved problems of various grades have been given alongside the topics.
▸ Proofs of all important results have been given in steps.
▸ Provides answers to all the unsolved problems and exercise which helps students in better assessment.

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