Comprehensive Applied Mathematics: Volume II
Jyoti Kumar Arora
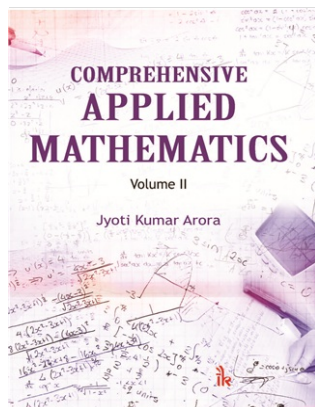
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About the Book

The present book is designed for the course in Applied Mathematics to meet the requirements of the second 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 seven 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

The subject matter is presented in a very systematic and logical manner. Emphasis has been laid on fundamentals.

On each topic problems have been divided into different types and working rules for solving them have been given.

Large number of solved examples have been provided in every chapter for better understanding of the subject, this will also be greatly helpful in building confidence and skill among the students

Table of Contents

Differential Calculus - II
Integral Calculus- II
Algebra Of Matrices
Vectors
Laplace Transforms
Fourier Series
Differential Equations of First Order and First Degree

About the Author

Jyoti Kumar Arora :- J K Arora is engaged in teaching Applied Mathematics at Technical College Dayalbagh Educational Institute (Deemed University), Agra. He obtained his Ph.D. in "Mechanics of Bio-fluids' from Dr. B R Ambedkar University, Agra in 1996. He has series of publications in reputed national and international journal s. He is on the editorial boards of International Journal of Mathematics: Trend and Technology and International Journal of computer Science and Business Informatics. Dr. Arora has been invited to speak at prominent conferences and has also contributed towards research in the field of Applied Mathematics at various forum including Imperial College of London, United Kingdom; University of Arizona, United States of America, etc.