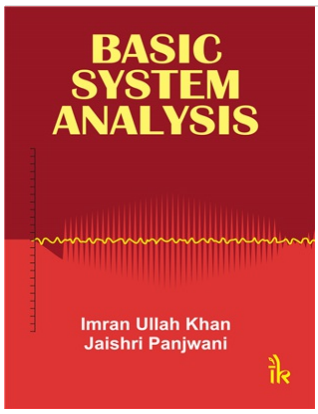
Book Information Sheet



Basic System Analysis, 1/e

I.U. Khan & Jaishri Panjwani

2012 | 336 pp | Paperback | ISBN: 9789381141168 | Price: 425.00

About the Book

This book deals with the properties and classification of Basic System Analysis. It introduces the important principles and properties of Fourier transform (Continuous time), Laplace transform, Z-transform, Fourier series, Linear time invariant (LTI) systems, Convolution, etc. This subject covers basic concepts required for Digital signal processing, Communication systems, Networks and similar subjects.

To get an edge in the competitive market, objective type questions with answers, question bank with answers have been included. This book consists of five chapters in all and covers the complete syllabi of Basic System Analysis of various universities.

Solved examples, solved questions from previous year question papers and model question papers are provided at the end of the book. The book has been made adequately self-sufficient for students to avoid the need for another support book.

Salient Features

- With its coverage and emphasis, the book perfectly fits in as a first course in signals and systems and other related courses.
- A lot of solved problems are included in chapters with unsolved problems at the end of each chapter.
- Profusely illustrated with line drawings for better understanding of the subject matter.
- Provides model question papers and appendices further detailing the trigonometric relations, derivatives and integration, series expansion, Fourier transform relations, Laplace transform relations, and Z-transform relations.

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- Unit 1: Introduction to Continuation time Signals and Systems
- Unit 2: Fourier Series and Fourier Transform
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