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Signals and Systems (Indian Edition)

By Gopalan Kallappan

2009. Paperback. Book Condition: New. 536 pages. English The approach taken in Gopalan's text is to introduce students to the concepts and mathematical tools necessary to understand and appreciate the wide array of exciting fields in Electrical Engineering such as signal processing, control systems, and communications. The book is structured to introduce the basic continuous-time signal and system analysis concepts as an extension of familiar circuit analysis methods. A strong theoretical foundation for signal analysis is built, leading students to successfully discuss the various system analysis methods used in practice today. Key Features Each chapter begins with an introduction to the chapter contents and ends with mathematical results followed by homework problems Sufficient mathematical rigor is provided relating to practical systems while minimizing discussions on less often used topics Numerous examples are provided throughout to illustrate the concepts and practical applicability End-of-chapter problems are thoughtfully designed to test and extend the understanding of concepts and to apply the concepts in practical applications Table Of Contents 1. Introduction 2. Mathematical Modeling and Properties of Basic Signals and Systems 3. Continuous-Time System Analysis in the Time Domain 4. Discrete-Time System Analysis in the Time Domain 5. Frequency Domain Analysis of CT Signals...

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