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Nota di contenuto	Representation of Discrete Signals and Systems -- The z-transform Analysis of Discrete Time Systems -- Discrete Fourier Transform and Computation -- Design of IIR Digital Filters -- Design of Finite Impulse Response (FIR) Digital Filters -- Digital Signal Processor -- Index.
Sommario/riassunto	This book is designed to serve as a textbook for courses offered to undergraduate students enrolled in the Electrical, Electronics, Communications, and Instrumentation Engineering disciplines. The book presents a clear and comprehensive introduction to digital signal processing. For easier comprehension, the course contents of all the chapters are in sequential order. A variety of examples and solved problems are included in the book to enable application and ease of understanding of theoretical concepts. Every chapter contains several homework problems with answers followed by question-and-answer-type assignments. The detailed coverage and pedagogical tools make this an ideal textbook for students and researchers enrolled in electrical engineering and related programs.

