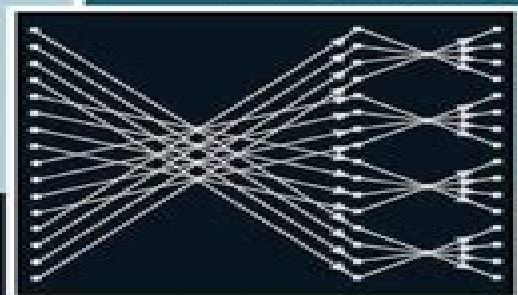


Fourth Edition



Digital Signal Processing

Principles, Algorithms, and Applications

John G. Proakis
Dimitris G. Manolakis

This fourth edition covers the fundamentals of discrete-time signals, systems, and modern digital signal processing. Appropriate for students of electrical engineering, computer engineering, and computer science, the book is suitable for undergraduate and graduate courses and provides balanced coverage of both theory and practical applications.

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- New additions to the discrete cosine transform
- Updated chapter on multirate digital signal processing

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