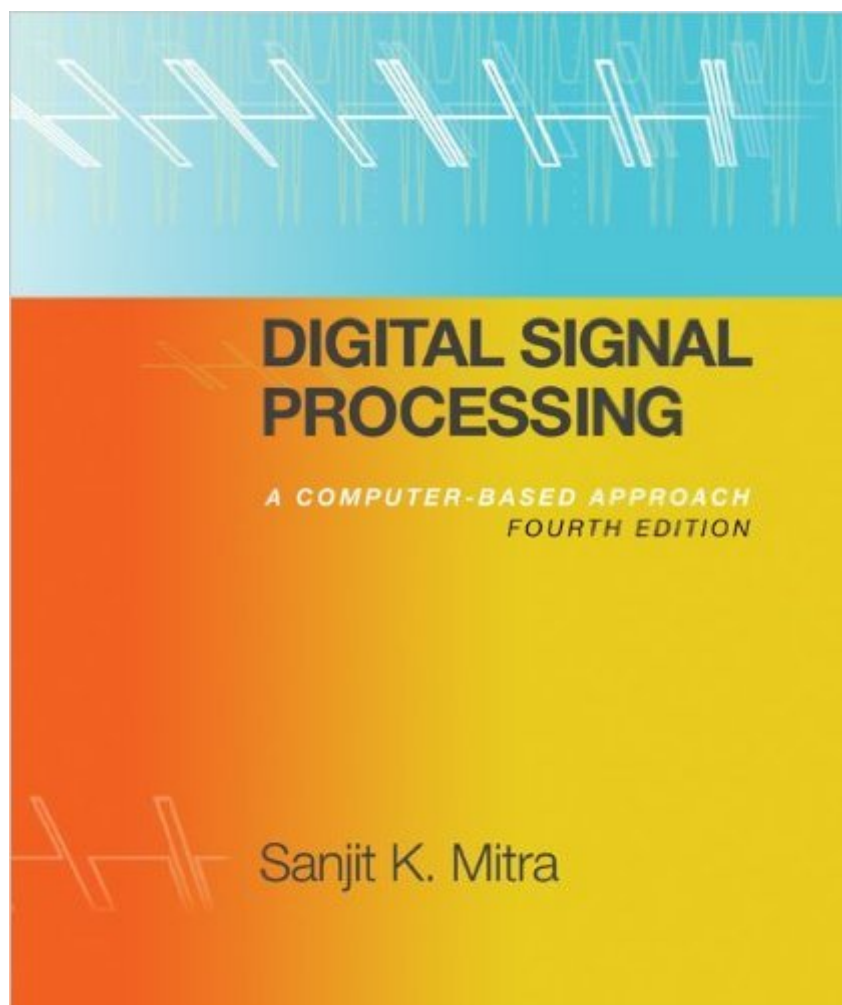


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# Digital Signal Processing With Student CD ROM



## Synopsis

Based on Sanjit Mitra's extensive teaching and research experience, *Digital Signal Processing, A Computer Based Approach*, fourth edition, is written with the reader in mind. A key feature of this book is the extensive use of MATLAB-based examples that illustrate the program's powerful capability to solve signal processing problems. The book is intended for a course on digital signal processing for seniors or first-year graduate students. This highly popular book introduces the tools used in the analysis and design of discrete-time systems for signal processing. A number of changes have been made to the book's content, based on reviewer and student comments.

## Book Information

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Average Customer Review: 3.7 out of 5 stars [See all reviews](#) (24 customer reviews)

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## Customer Reviews

Digital signal processing is a difficult subject, especially for beginners, and this book does nothing to alleviate the situation for the new learner. After reading multiple DSP books, it's painfully obvious that the explanations in this book are confusing and opaque. Often equations and mathematical proofs are buried within text paragraphs making it extremely difficult for the reader to follow along. The MATLAB experiments are not the panacea one is led to believe. I personally struggled in a DSP class for 6 weeks until I decided to go against the class requirements and I started over by reading the Oppenheim book. The Oppenheim book is a thorough treatment of the subject and is simply better. The Oppenheim book, still difficult, but better explained and very thorough. *Discrete-Time Signal Processing (3rd Edition)* (Prentice Hall Signal Processing) The Schaum's outline was useful as a reference and explained some of the fundamental concepts well, but I would NOT use it as the

sole reference. Schaum's Outline of Digital Signal Processing, 2nd Edition (Schaum's Outline Series) This book may be a better starter for the beginner due to its simpler explanations. Serious practitioners would probably move to Oppenheim eventually

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