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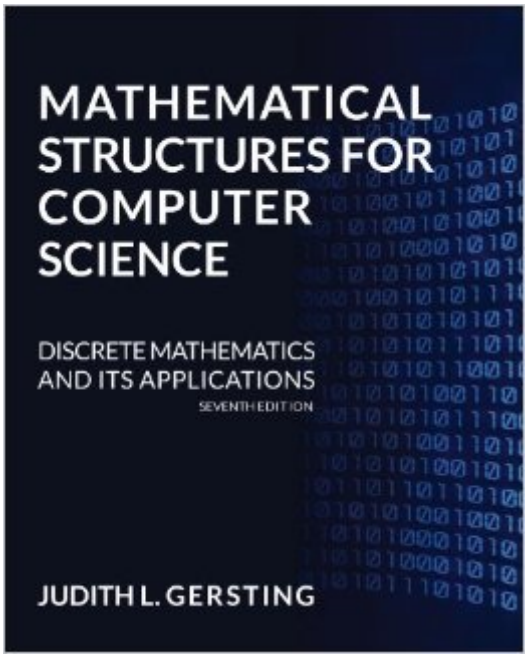
Mathematical Structures For Computer Science



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Synopsis

Judith Gersting's Mathematical Structures for Computer Science has long been acclaimed for its clear presentation of essential concepts and its exceptional range of applications relevant to computer science majors. Now with this new edition, it is the first discrete mathematics textbook revised to meet the proposed new ACM/IEEE standards for the course.

Book Information

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Customer Reviews

There are a lot of topics discussed in this book in relation to logic, probability, discrete math, and graphs. I found several of the examples lacking in explanation. To be more specific, I found the discrete math explanation insufficient, where the book by Lathi for Systems and Signals did a much better job explaining solutions to difference equations. For other topics, I often had to refer to Wikipedia for further explanations. Otherwise, the book does cover a lot of material and offers problems and examples for the reader to go over, with solutions in the back of the book for all exercises and specific problems. Just be prepared to not have every example spelled out completely.

We are using this book for the second in a series of Discrete Structures courses at my school. This book is significantly better than the one we used (Discrete Structures, Logic, And Computability, J. Hein) the first term, which is also used by the second section of the course. I'm very glad I didn't register for it.This book is packed with information, but most importantly for someone learning the

subject matter it is very readable and easy to understand without dumbing down the content.

This text is a fine work. The progression through material is logical, explained, and paced. I had the slight misfortune of this class being a 5-week summer course, but review of text more fully after the end of the semester proved how well laid out the text . There are good explanations of basic concepts and methods, general proofs, specific examples, and practical discussion of application. I would recommend this book to those interesed in logic, proofs, math, and computer applications.

The book was required for a college class. It doesn't explain things as well as I would have hoped.

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