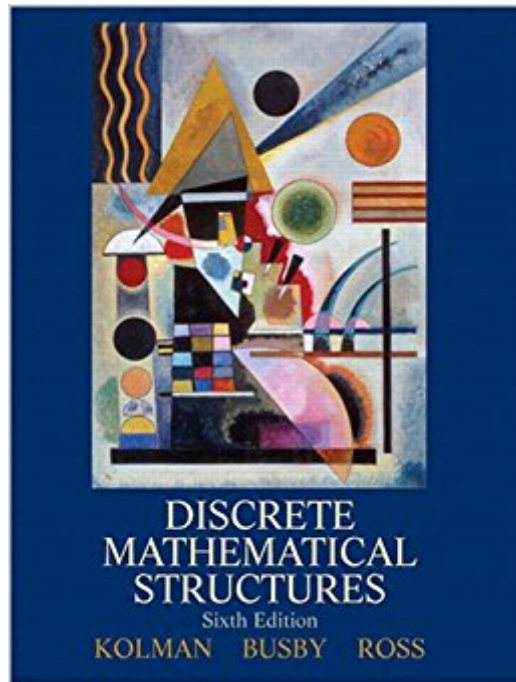




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# Discrete Mathematical Structures (6th Edition)



## Synopsis

Discrete Mathematical Structures, Sixth Edition, offers a clear and concise presentation of the fundamental concepts of discrete mathematics. Ideal for a one-semester introductory course, this text contains more genuine computer science applications than any other text in the field. This book is written at an appropriate level for a wide variety of majors and non-majors, and assumes a college algebra course as a prerequisite.

## Book Information

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## Customer Reviews

**Key Message:** Discrete Mathematical Structures, Sixth Edition, offers a clear and concise presentation of the fundamental concepts of discrete mathematics. This introductory book contains more genuine computer science applications than any other text in the field, and will be especially helpful for readers interested in computer science. This book is written at an appropriate level for a wide variety of readers, and assumes a college algebra course as the only prerequisite.

**Key Topics:** Fundamentals; Logic; Counting; Relations and Digraphs; Functions; Order Relations and Structures; Trees; Topics in Graph Theory; Semigroups and Groups; Languages and Finite-State Machines; Groups and Coding

**Market:** For all readers interested in discrete mathematics.

Bernard Kolman received his BS in mathematics and physics from Brooklyn College in 1954, his ScM from Brown University in 1956, and his PhD from the University of Pennsylvania in 1965, all in mathematics. He has worked as a mathematician for the US Navy and IBM. He has been a member of the mathematics department at Drexel University since 1964, and has served as Acting Head of

the department. His research activities have included Lie algebra and perations research. He belongs to a number of professional associations and is a member of Phi Beta Kappa, Pi Mu Epsilon, and Sigma Xi. Â Robert C. Busby received his BS in physics from Drexel University in 1963, his AM in 1964 and PhD in 1966, both in mathematics from the University of Pennsylvania. He has served as a faculty member of the mathematics department at Drexel since 1969. He has consulted in applied mathematics and industry and government, including three years as a consultant to the Office of Emergency Preparedness, Executive Office of the President, specializing in applications of mathematics to economic problems. He has written a number of books and research papers on operator algebra, group representations, operator continued fractions, and the applications of probability and statistics to mathematical demography. Â Sharon Cutler Ross received a SB in mathematics from the Massachusetts Institute of Technology in 1965, an MAT in secondary mathematics from Harvard University in 1966, and a PhD in mathematics from Emory University in 1976. She has taught junior high, high school, and college mathematics, and has taught computer science at the collegiate level. She has been a member of the mathematics department at DeKalb College. Her current professional interests are in undergraduate mathematics education and alternative forms of assessment. Her interests and associations include the Mathematical Association of America, the American Mathematical Association of Two-Year Colleges, and UME Trends. She is a member of Sigma Xi and other organizations.

Average book that you would expect for a class room. Was extremely dry and did not provide any fancy ways of showing equations or structures. Most people are going to be forced to buy this, but be prepared to learn a lot on your own.

I agree with others that this book does a very poor job explaining things to non-math majors. This textbook was definitely written by math majors for math majors, but most of us who are required to take this course are doing it for an IT or similar degree path. Luckily Google and YouTube have been able to teach me what this book couldn't not so I'm doing well in the class. I just can't attribute it to this text book.

Worst book I have ever used. The authors clearly wrote this for someone who is not learning math but for someone who is brushing up on concepts they already know. For a beginner starting in discrete mathematics this book is confusing, difficult to understand, and provides no real guidance for solving the problems

I used this as the primary text in a University Math/Programming course. The book is very dry and hard to read. While the information in the text is correct, it is hard to imagine a more uninteresting and dry way to present the material. Pseudo code was unnecessarily difficult to understand. Same goes for the main math concepts, which often had to be explained at length by the instructor.

Please tell me there are other higher quality (more well thought out) Discrete Math books out there! This book just jumps right into examples (about 15 for each section) without any clear overview or direction of where it's beginning or where it's going. If I had taken discrete math before this book may have served as a decent refresher because it just regurgitates example after example without actually guiding you into the concepts. This book is bad for humans who don't know, but want / need to learn discrete math, but is perfect for computers which don't yet have all the examples / parameters uploaded into their system to perform math discretely.

As a comprehensive book on discrete math I really found this text lacking. At times some examples were vaguely illustrated or maybe omitted altogether. If you're using this for a discrete math class, hopefully your instructor has enough supplemental material to carry the text, but I'm not as lucky. Doing an independent study of the course that used this text meant using Google a lot. I also have the next edition, and I can say that there is hardly a difference as far as the lack of examples and overall clarity.

My book was missing pages 21 - 36. It kept jumping around in chapter one. Luckily I also have the e-book version for school. What editor missed this?

Loved the subject, for me, the book didn't help anywhere near as much as the lecture.

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