Second Edition

DISCRETE MATHEMATICS FOR COMPUTER SCIENTISTS & MATHEMATICIANS

Joe L. Mott • Abraham Kandel
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Discrete Mathematics for Computer Science Gary Haggard,John Schlipf,Sue Whitesides,2006 Master the fundamentals of discrete mathematics with DISCRETE MATHEMATICS FOR COMPUTER SCIENCE with Student Solutions Manual CD ROM An increasing number of computer scientists from diverse areas are using discrete mathematical structures to explain concepts and problems and this mathematics text shows you how to express precise ideas in clear mathematical language Through a wealth of exercises and examples you will learn how mastering discrete mathematics will help you develop important reasoning skills that will continue to be useful throughout your career **Discrete Mathematics in Computer Science** Donald F. Stanat,David F. McAllister,1977 Discrete Mathematics Jerrold W. Grossman,1990 Focuses on concepts and their application as opposed to a heavy theoretical approach Covers topics in greater depth than do competitors **Discrete Mathematics in the Schools** Joseph G. Rosenstein, This book provides teachers of all levels with a great deal of valuable material to help them introduce discrete mathematics into their classrooms **Mathematics Catalog 2005** Neil Thomson,2004-10 *Discrete Mathematics* Martin Aigner,2007 The advent of fast computers and the search for efficient algorithms revolutionized combinatorics and brought about the field of discrete mathematics This book is an introduction to the main ideas and results of discrete mathematics and with its emphasis on algorithms it should be interesting to mathematicians and computer scientists alike The book is organized into three parts enumeration graphs and algorithms and algebraic systems There are 600 exercises with hints and solutions to about half of them The only prerequisites for understanding everything in the book are linear algebra and calculus at the undergraduate level Praise for the German edition This book is a well written introduction to discrete mathematics and is highly recommended to every student of mathematics and computer science as well as to teachers of these topics Konrad Engel for MathSciNet Martin Aigner is a professor of mathematics at the Free University of Berlin He received his PhD at the University of Vienna and has held a number of positions in the USA and Germany before moving to Berlin He is the author of several books on discrete mathematics graph theory and the theory of search The Monthly article Turan s graph theorem earned him a 1995 Lester R Ford Prize of the MAA for expository writing and his book Proofs from the BOOK with Gunter M Ziegler has been an international success with translations into 12 languages **Discrete and Combinatorial Mathematics** Ralph P. Grimaldi,1989 **Discrete Mathematics with Applications** Thomas Koshy,2004-01-19 This approachable text studies discrete objects and the relationsips that bind them It helps students understand and apply the power of discrete math to digital computer systems and other modern applications It provides excellent preparation for courses in linear algebra number theory and modern abstract algebra and for computer science courses in data structures algorithms programming languages compilers databases and computation Covers all recommended topics in a self contained comprehensive and understandable format for students and new professionals Emphasizes problem solving techniques pattern recognition

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