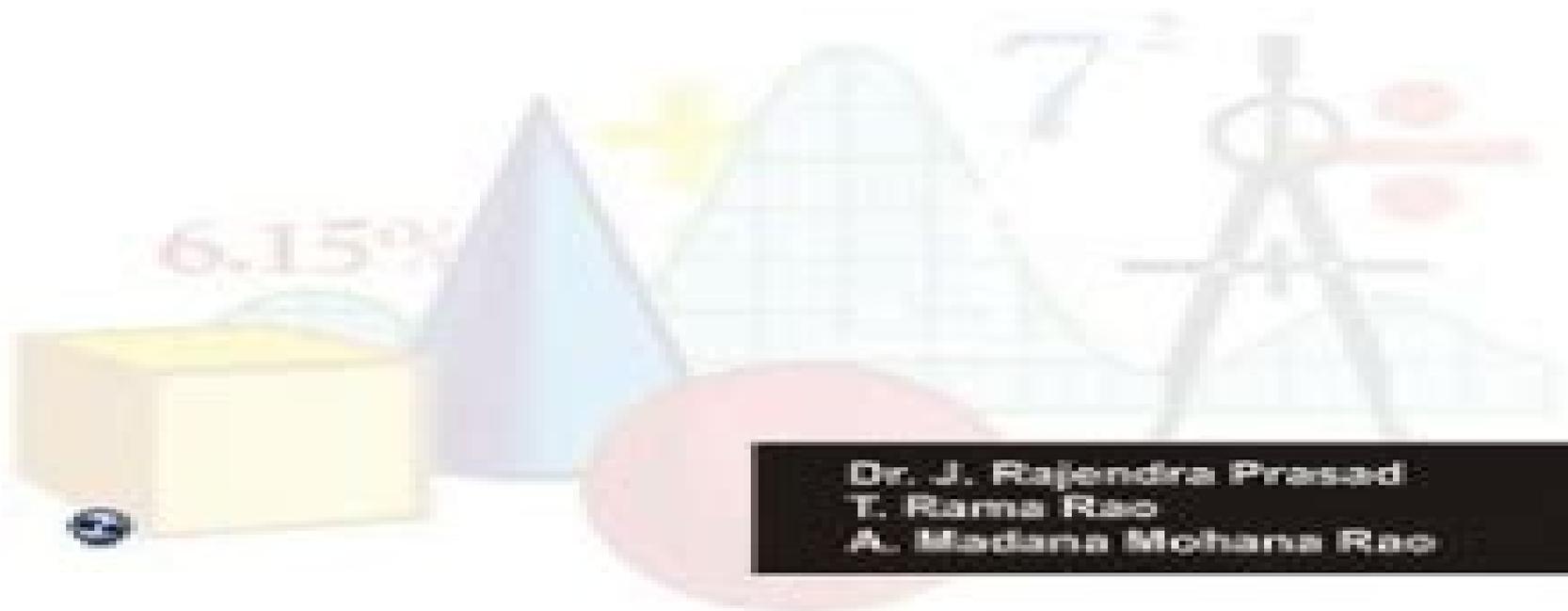




# Mathematical Foundation of Computer Science



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*Data Science and Applications* Rajendra Prasad Yadav, Satyasai Jagannath Nanda, Mukesh Prasad, Mukesh

Saraswat, 2026-01-01 This book gathers outstanding papers presented at the 6th International Conference on Data Science and Applications ICDSA 2025 organized by Soft Computing Research Society SCRS and Malaviya National Institute of Technology Jaipur India from 16 to 18 July 2025 The book is divided into eight volumes and it covers theoretical and empirical developments in various areas of big data analytics big data technologies decision tree learning wireless communication wireless sensor networking bioinformatics and systems artificial neural networks deep learning genetic algorithms data mining fuzzy logic optimization algorithms image processing computational intelligence in civil engineering and creative computing **Mathematical Foundation of Computer Science** Ruchi Singhal, 2009-01-01

**Mathematical Foundations of Computer Science** G. Shanker Rao, 2006 Mathematical Foundations of Computer Science explains the fundamental concepts in mathematics It can be used by the students in computer science as an introduction to the underlying ideas of mathematics for computer science It explains topics like mathematical logic predicates relations functions combinatorics algebraic structures and graph theory It would be useful for the students of B Tech BCA MCA Key Features Comprehensive discussion on logic function algebraic systems recurrence relations and graph theory Wide variety of exercises at all levels Several worked out examples **Mathematical Foundations of Computer**

**Science** Pushpalatha Ramesh, 2014-09-09 This Text Book is designed to meet the requirements of the under graduate students of B Sc Computer Science B C A B Sc CT and post graduate students of M C A M Sc Computer Science and Computer Technologies This text is for beginners as well as experts who wish to learn this subject The language adopted is simple and the subject matter self explanatory in nature A variety of problems has been included in each chapter to enable the reader to gain further insight and clarity of the application of the techniques It includes numerous examples that illustrate the basic concept and the exercises to enhance the value of the book Key Features This Text Book covers Matrices Set Theory Boolean Algebra Mathematical Logic Graph Theory Grammars And Languages Numerous illustrative problems are provided to help the reader understand the subject To suit the needs of the B C A M C A and M Sc curriculum of various universities All major steps in the problems are presented in a step by step format *Mathematical Foundations of*

*Computer Science*, 1972 [Mathematical Foundations of Computer Science...](#) Symposium on Mathematical Foundations of Computer Science, 1975 **Mathematical Foundations Of Computer Science** Natarajan Et.Al., 2010 *Mathematical*

*Foundation for Computer Science* M. Vasanthi, 2012 **Mathematical Foundation of Computer Science** Rakesh Dube, Vijay Vir, Adesh Kr Pandey, 2002-08-01 *Mathematical Foundation of Computer Science* Y. N. Singh, 2005 The Interesting Feature Of This Book Is Its Organization And Structure That Consists Of Systematizing Of The Definitions

Methods And Results That Something Resembling A Theory Simplicity Clarity And Precision Of Mathematical Language Makes Theoretical Topics More Appealing To The Readers Who Are Of Mathematical Or Non Mathematical Background For Quick References And Immediate Attentions

3 4 Concepts And Definitions Methods And Theorems And Key Notes Are Presented Through Highlighted Points From Beginning To End Whenever Necessary And Probable A Visual Approach Of Presentation Is Used The Amalgamation Of Text And Figures Make Mathematical Rigors Easier To Understand Each Chapter Begins With The Detailed Contents Which Are Discussed Inside The Chapter And Conclude With A Summary Of The Material Covered In The Chapter Summary Provides A Brief Overview Of All The Topics Covered In The Chapter To Demonstrate The Principles Better The Applicability Of The Concepts Discussed In Each Topic Are Illustrated By Several Examples Followed By The Practice Sets Or Exercises

**Mathematical Foundations of Computer Science** Bhavanari Satyanarayana, T. V. Pradeep Kumar, Shak Mohiddin Shaw, 2020 This book presents topics from mathematics which are relevant and useful to computer science This book treats basic topics such as number theory set theory functions etc in a simple way Each chapter has been planned as independent unit so that various interrelated topics can also be read independently Ample amount of examples and problems are given at the end of each chapter to help both the students and researchers Hints and answers are also given for the problems in the exercise to help the students for self learning

Mathematical Foundations of Computer Science Peter A. Fejer, Dan A. Simovici, 1991-01 *Mathematical Foundations of Computer Science 1988* Michal P. Chytil, Ladislav Janiga, Václav Koubek, 2014-01-15 Mathematical Foundations Of Computer Science Bhishma Rao, 2005

**Mathematical Foundations of Computer Science** Uniwersytet Warszawski, Humboldt-Universität zu Berlin, *Mathematical Foundations of Computer Science* Andrzej Blikle, Symposium on Mathematical Foundations of Computer Science, 1988

**Mathematical Foundation Of Computer Science** Singh, Et. Al., 2007-01-01 Well Organised And Each Topic In The Books Has Been Treated In Any Easy And Lucid Manner Without Sacrificing Any Rigor The Language In The Book Is Communicable And Easily Understandable Contents Relation Functions Algebraic Structures Recurrence Relations And Generating Functions Logic Lattices Finite Automata Introduction To Languages Regular Expressions And Languages Pushdown Automata Turing Machines Exercises Index Etc

**Mathematical Foundations of Computer Science 1976 A.** Mazurkiewicz, 2014-01-15 **Mathematical Foundations of Computer Science 1978 J.** Winkowski, 2014-01-15

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