

Theory of Automata and Formal Languages

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Product Description

This book, which has been well received and appreciated by the students of computer science in various institutes across the country, has been revised and fully updated. Designed specifically for undergraduates and postgraduates new to the subject, this text offers a clear, authoritative and comprehensive introduction to the subject. The text opens with an excellent overview of the key theories and perspectives of theory of automata and formal languages- placing the subject in a wider context- and continues with detailed treatments of all key topics.



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Table of Contents

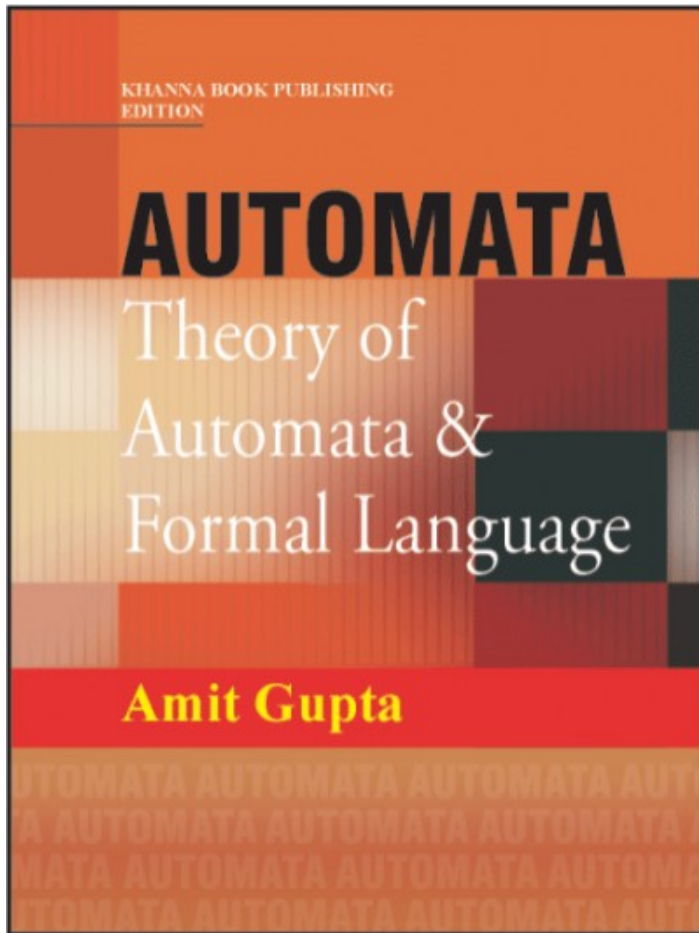
Chapter 1: Basic Concepts Chapter 2: Finite Automata Chapter 3: Regular Expressions and Regular Sets Chapter 4: Context Free Grammar Chapter 5: Pushdown Automation Chapter 6: Properties of CLF Chapter 7: Turing Machine Chapter 8: Recursive Enumerable and Recursive Language Chapter 9: Undecidability Chapter 10: Chomsky Hierarchy Chapter 11: Recursive Function Theory

Author

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Easy-to-read & write style. A step-by-step solution of DEA & NFA approach that is used in almost all DFA & NFA approach that is used in almost all DFA & NFA examples in chapter 03 (Finite State Machine). Every chapter is supported with multiple choice questions, theoretical questions and numerical for better practice. Due care is taken to balance the mix of notations and words in mathematical statements. The book is presented with an approach to explain the concepts in lucid style and comprehensible language. A large number of attractive and accurate figure and graphs have been drawn which enable students to grasp the subject in an easy way. Systematic and sequential arrangement of different topics. Rich pedagogy.



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Table of Contents

Chapter 1: Mathematical Preliminaries Chapter 2: Formal Languages Chapter 3: Finite State Machine Chapter 4: Regular Expressions and Regular Grammar Chapter 5: Context-free Grammar Chapter 6: Pushdown Automata Chapter 7: Turing Machine Chapter 8: Decidability and Indecisiveness (Undecidability) Chapter 9: Theory of Recursive Function and Intractability Chapter 10: Propositions and Predicates

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