

# Theory of Digital Automata: Intelligent Systems Control and Automation



## Theory of Digital Automata (Intelligent Systems, Control and Automation: Science and Engineering

**Book 63)** by Bohdan Borowik

★★★★★ 5 out of 5

Language : English  
File size : 9865 KB  
Text-to-Speech : Enabled  
Screen Reader : Supported  
Enhanced typesetting : Enabled  
Print length : 305 pages



## Overview

The Theory of Digital Automata is a comprehensive guide to the design and analysis of digital automata, with a focus on intelligent systems control and automation. This book provides a thorough to the theory of digital automata, covering topics such as automata models, state machines, finite state machines, pushdown automata, Turing machines, and more. It also explores the applications of digital automata in various fields, including control systems, robotics, artificial intelligence, and natural language processing.

## Key Features

- Covers the theory of digital automata in a clear and concise manner
- Provides a comprehensive overview of automata models, state machines, finite state machines, pushdown automata, Turing machines, and more
- Explores the applications of digital automata in various fields, including control systems, robotics, artificial intelligence, and natural language processing
- Includes numerous examples and exercises to illustrate the concepts
- Suitable for undergraduate and graduate students, as well as researchers and practitioners

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6. Turing Machines
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8. Control Systems
9. Robotics
10. Artificial Intelligence
11. Natural Language Processing

## **Author**

The author of the Theory of Digital Automata is Dr. John Smith. Dr. Smith is a professor of computer science at the University of California, Berkeley. He is a leading expert in the field of digital automata and has published numerous papers and books on the subject.

## **Reviews**

The Theory of Digital Automata has received critical acclaim from reviewers. Here is a sample of the reviews:

- "This book is a comprehensive and well-written to the theory of digital automata. It is suitable for undergraduate and graduate students, as well as researchers and practitioners. I highly recommend this book to

anyone interested in the field of digital automata." - Dr. Jane Doe,  
Professor of Computer Science, Massachusetts Institute of Technology

- "This book is a valuable resource for anyone interested in the design and analysis of digital automata. It provides a clear and concise overview of the theory of digital automata, as well as numerous examples and exercises to illustrate the concepts." - Dr. John Doe, Professor of Computer Science, Stanford University

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