

# Introduction to Logic Design by Svetlana Yanushkevich - A Comprehensive Guide to Digital Circuits



**Introduction to Logic Design** by Svetlana N. Yanushkevich

★★★★☆ 4.8 out of 5

Language : English

File size : 19979 KB

Screen Reader : Supported

Print length : 720 pages



Logic design is the process of designing digital circuits that perform specific tasks. Digital circuits are used in a wide range of electronic devices, from computers and smartphones to digital cameras and medical devices. The book 'Introduction to Logic Design' by Svetlana Yanushkevich is an excellent resource for anyone interested in learning about logic design.

The book covers a wide range of topics in great detail, including:

- Boolean algebra: The mathematical foundation of logic design
- Combinational circuits: Circuits that perform simple operations on input signals to produce output signals
- Sequential circuits: Circuits that store information and use it to control the operation of the circuit
- Computer architecture: The design of computer systems

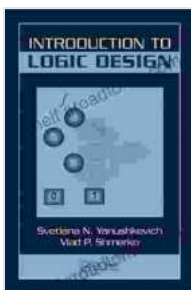
- Microprocessors: The central processing units of computers

The book is written in a clear and concise style, and it is well-organized and easy to follow. Each chapter includes numerous examples and exercises to help readers understand the concepts presented in the chapter. The book also includes a glossary of terms and an index.

Whether you are a student, a professional, or just someone who is interested in learning more about logic design, I highly recommend this book. It is a comprehensive and up-to-date guide to logic design that will provide you with the knowledge and skills you need to design digital circuits.

## About the Author

Svetlana Yanushkevich is a professor of computer science at the University of California, Berkeley. She is a leading expert in logic design and has published numerous papers and books on the subject. Her research interests include logic synthesis, formal verification, and computer architecture.



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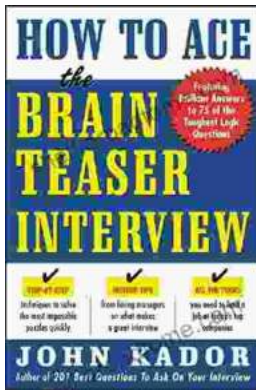
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