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Introduction To Logic Design With CD ROM

INTRODUCTION TO LOGIC DESIGN

Second Edition
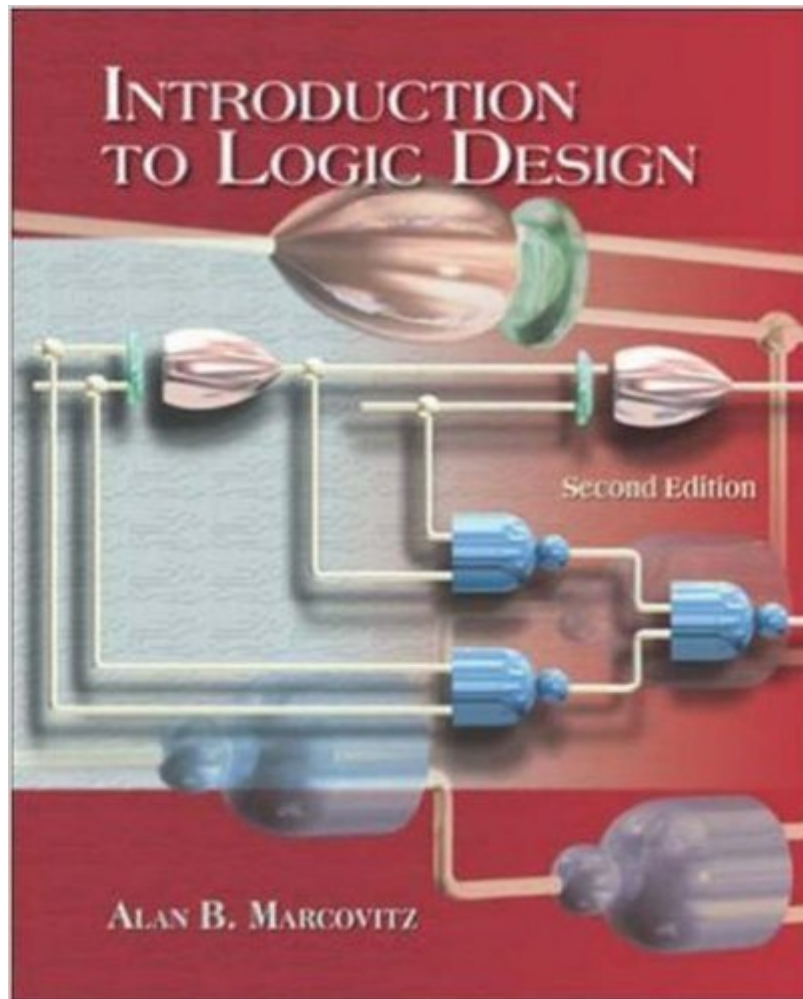
ALAN B. MARCOVITZ

Synopsis

Introduction to Logic Design by Alan Marcovitz is intended for the first course in logic design, taken by computer science, computer engineering, and electrical engineering students. As with the first edition, the new edition is distinguised by a clear presentation of fundamentals and an exceptional collection of examples, solved problems, and exercises. Changes found in the new edition reflect reviewer feedback from both users and nonusers of the first edition and primarily involve improvements in organization and topic coverage. The text integrates laboratory experiences, both hardware and computer simulation, while not making them mandatory for following the main flow of the chapters. Design is emphasized throughout, and switching algebra is developed as a tool for analyzing and implementing digital systems. The presentation includes excellent coverage of minimization of combinational circuits, including multiple output ones, using the Karnaugh map and iterated consensus. There are a number of examples of the design of larger systems, both combinational and sequential, using medium scale integrated circuits and programmable logic devices.

Book Information

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Customer Reviews

This book is written in a clear, practical and readable language, that makes the learning experience a pleasant one. The book is intended to be used as a textbook for a first course in logic design, taken by computer science, computer engineering, and electrical engineering students, but everything is so clearly explained that it could be used as a self study guide.The book is fully

illustrated to make all the examples, solved problems, and exercises even more clear.I absolutely recommend this book to anyone interested in an introduction to digital design.

Wonderful book. just the introduction tells you about how helpful will be for you. I got this book to read before my introduction to logic class as undergrad Computer Eng student. I was blown out by the way the author explain with clear details the different concept. I loved the examples and the solved problems... there is a test at the end of each chapter to make sure that you got it! wonderful no? there is an answer to each test so!!I'm thankful to those who wrote helpful and truthful comment about this book, which definitely encouraged me buy it.I encourage anyone with no knowledge of logic to get this book as home guide or help. I guaranty you will be the next TA.

If you plan to buy this book please dismiss the idea. It is the worst book ever! I have never read a book with such poor quality. Only the first few chapters in boolean algebra is readable, the rest is simply crap, you can never understand author's explanation ever with great patience because he doesn't want you to understand. If you have to choose this book as a textbook because your professor picked it, consider changing another professor who teaches this course.

This is an excellent book, and this previous edition is virtually the same as the following edition which is quite expensive.

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