Switching Theory and Logic Design

By A. Anand Kumar

Switching Theory and Logic Design By A. Anand Kumar

This comprehensive text on switching theory and logic design is designed for the undergraduate students of electronics and communication engineering, electrical and electronics engineering, electronics and instrumentation engineering, telecommunication engineering, computer science and engineering, and information technology. It will also be useful to AMIE, IETE and diploma students. Written in a student-friendly style, this book, now in its Second Edition, provides an in-depth knowledge of switching theory and the design techniques of digital circuits. Striking a balance between theory and practice, it covers topics ranging from number systems, binary codes, logic gates and Boolean algebra to minimization using K-maps and tabular method, design of combinational logic circuits, synchronous and asynchronous sequential circuits, and algorithmic state machines. The book discusses threshold gates and programmable logic devices (PLDs). In addition, it elaborates on flip-flops and shift registers. Each chapter includes several fully worked-out examples so that the students get a thorough grounding in related design concepts. Short questions with answers, review questions, fill in the blanks, multiple choice questions and problems are provided at the end of each chapter. These help the students test their level of understanding of the subject and prepare for examinations confidently. NEW TO THIS EDITION* VHDL programs at the end of each chapter * Complete answers with figures * Several new problems with answers.

Switching Theory and Logic Design

By A. Anand Kumar

Switching Theory and Logic Design By A. Anand Kumar

This comprehensive text on switching theory and logic design is designed for the undergraduate students of electronics and communication engineering, electrical and electronics engineering, electronics and instrumentation engineering, telecommunication engineering, computer science and engineering, and information technology. It will also be useful to AMIE, IETE and diploma students. Written in a student-friendly style, this book, now in its Second Edition, provides an in-depth knowledge of switching theory and the design techniques of digital circuits. Striking a balance between theory and practice, it covers topics ranging from number systems, binary codes, logic gates and Boolean algebra to minimization using K-maps and tabular method, design of combinational logic circuits, synchronous and asynchronous sequential circuits, and algorithmic state machines. The book discusses threshold gates and programmable logic devices (PLDs). In addition, it elaborates on flip-flops and shift registers. Each chapter includes several fully worked-out examples so that the students get a thorough grounding in related design concepts. Short questions with answers, review questions, fill in the blanks, multiple choice questions and problems are provided at the end of each chapter. These help the students test their level of understanding of the subject and prepare for examinations confidently. NEW TO THIS EDITION* VHDL programs at the end of each chapter * Complete answers with figures * Several new problems with answers.

Switching Theory and Logic Design By A. Anand Kumar Bibliography

- Sales Rank: #6935463 in Books
- Published on: 2014-05-30
- Original language: English
- Dimensions: 9.21" h x 1.42" w x 7.17" l, 2.42 pounds
- Binding: Paperback
- 844 pages

[⬇ **Download** Switching Theory and Logic Design ...pdf](#)

[🗎 **Read Online** Switching Theory and Logic Design ...pdf](#)

Download and Read Free Online Switching Theory and Logic Design By A. Anand Kumar

---

Editorial Review

About the Author
A. Anand Kumar, PhD, is Principal, K.L. University College of Engineering, K.L. University, Vijayawada, Andhra Pradesh, India. Earlier from 2006 to 2011 he served as Director, Sasi Institute of Technology and Engineering, Tadepalligudem, West Godavari District, Andhra Pradesh, India. From 2000 to 2006 he served as Principal, Sir C.R. Reddy College of Engineering, Eluru, West Godavari District, Andhra Pradesh, India, and as Professor, S.D.M. College of Engineering and Technology, Dharwad, Karnataka, India from 1983 to 2000. With more than 38 years of teaching experience, he has published five more books (All published by PHI Learning). His area of research includes radar signal processing.

Users Review

From reader reviews:

Thomas Palmer:

Hey guys, do you really wants to finds a new book to study? May be the book with the name Switching Theory and Logic Design suitable to you? Often the book was written by famous writer in this era. The book untitled Switching Theory and Logic Designis the main of several books this everyone read now. That book was inspired many men and women in the world. When you read this reserve you will enter the new dimension that you ever know before. The author explained their thought in the simple way, therefore all of people can easily to be aware of the core of this book. This book will give you a large amount of information about this world now. In order to see the represented of the world in this particular book.

Karyn Turner:

Beside this specific Switching Theory and Logic Design in your phone, it may give you a way to get more close to the new knowledge or details. The information and the knowledge you might got here is fresh in the oven so don't always be worry if you feel like an old people live in narrow town. It is good thing to have Switching Theory and Logic Design because this book offers for you readable information. Do you sometimes have book but you seldom get what it's exactly about. Oh come on, that will not happen if you have this in the hand. The Enjoyable arrangement here cannot be questionable, like treasuring beautiful island. Use you still want to miss that? Find this book along with read it from at this point!

James Matter:

What is your hobby? Have you heard that question when you got college students? We believe that that problem was given by teacher to their students. Many kinds of hobby, Every person has different hobby. Therefore you know that little person including reading or as looking at become their hobby. You must know that reading is very important and also book as to be the thing. Book is important thing to add you knowledge, except your personal teacher or lecturer. You will find good news or update concerning something by book. A substantial number of sorts of books that can you go onto be your object. One of them are these claims Switching Theory and Logic Design.

Marla Brinker:

A lot of people said that they feel fed up when they reading a book. They are directly felt the idea when they get a half regions of the book. You can choose the particular book Switching Theory and Logic Design to make your own reading is interesting. Your personal skill of reading skill is developing when you including reading. Try to choose very simple book to make you enjoy to see it and mingle the idea about book and studying especially. It is to be 1st opinion for you to like to start a book and examine it. Beside that the book Switching Theory and Logic Design can to be your brand new friend when you're feel alone and confuse using what must you're doing of the time.

Download and Read Online Switching Theory and Logic Design By A. Anand Kumar #02RSK3TN81U

Read Switching Theory and Logic Design By A. Anand Kumar for online ebook

Switching Theory and Logic Design By A. Anand Kumar Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Switching Theory and Logic Design By A. Anand Kumar books to read online.

Online Switching Theory and Logic Design By A. Anand Kumar ebook PDF download

Switching Theory and Logic Design By A. Anand Kumar Doc

Switching Theory and Logic Design By A. Anand Kumar Mobipocket

Switching Theory and Logic Design By A. Anand Kumar EPub

02RSK3TN81U: Switching Theory and Logic Design By A. Anand Kumar