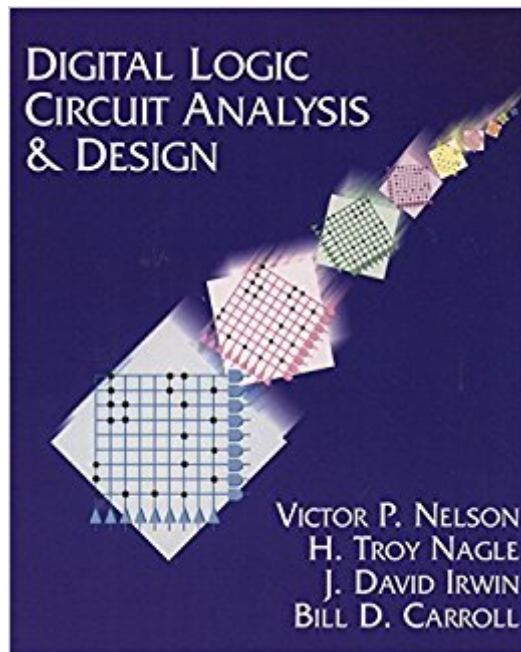


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# Digital Logic Circuit Analysis And Design



## Synopsis

This text balances theory and practice without excessive technical or mathematical language and has coverage of current topics of interest, such as programmable devices, computer-aided design, and testability, supported by a number of illustrations, examples and problems.

## Book Information

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## Customer Reviews

Many recent texts place instructors in the difficult position of choosing between authoritative, state-of-the-art coverage and an approach that is highly supportive of student learning. This carefully developed text was widely praised by reviewers for both its great clarity and its rigor. The book balances theory and practice in depth without getting bogged down in excessive technical or mathematical language and has abundant coverage of current topics of interest, such as programmable devices, computer-aided design, and testability. An unusually large number of illustrations, examples, and problems help students gain a solid sense of how theory underlies practice.

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illustrations, examples, and problems help the reader gain a solid sense of how theory underlies practice. FEATURES: the presentation focuses on learning; it is in-depth and rigorous without getting bogged down in detail. most chapters are organized in a consistent fashion that moves from theory to real-world practice: the theoretical basis is carefully presented and explained with a minimum of formalism. the theory is then applied to simple circuit examples. the authors then move on to examples involving large circuits and modular hierarchical design and industry standard functions. blends a very large number of worked examples into the book to build strong, systematic problem solving behaviors and design methodologies. Provides a comprehensive, carefully integrated coverage of computer-aided design principles and practices throughout the book; practical issues discussed in the chapter lead to discussion of CAD techniques. the approach of including both industry-standard functions and strong CAD coverage supports either a chip-based or a CAD modeling-based approach. two in-depth chapters on programmable devices introduce the latest technologies but also emphasizes principles in a manner that prepares students for future advances in the field.

Teachers, why do you continue to choose texts that are this terrible? Do you want to drive students away? Are you trying to crush their spirits early because you think it will make them invulnerable to the drudgery of later life? Please stop. You're hurting us.

The review: The book itself is basically a collection of IC data sheets loosely strung together with the connective thread of digital logic. But it's just a thread. Accessible writing is about the last thing on these authors' minds as they happily fill page after page with circuit diagrams, often for no apparent reason at all. This book would be half the size and twice as easy to read if 90% of the data sheets had been omitted. Concepts, even simple ones, are often explained poorly. Examples of these concepts are not always provided, but when they are it is often in a different part of the chapter. The book is utterly useless for independent study. The questions at the end of sections are also largely useless because the solutions manual is only accessible to teachers. Why? Because I guess checking your work and comparing your methods to someone with more experience isn't the way engineering happens anymore. There is only one positive aspect to this book: it actually works quite well as a reference. If your teacher is very good at explaining concepts (as mine was) and takes the time to go over many examples in class, then this book can act as an excellent reference for looking up particular design principles via the appendix. This makes doing independent lab work useful and gives the book some shelf life it wouldn't have otherwise. If you're looking to learn from the book, to teach yourself or to even have something in a classroom that makes teaching easier then stay away. If you want a

book that provides vast amounts of information to act as a lab reference manual for concepts and design principles, this might not be a bad choice.

NOT SUTIBLE FOR PAPERBACK. I rented this book used (paperback) and the book is large.... very large.... and this made the book very fragile. rent the hardcover because I might have to purchase mine because it is so weak.

Just what I needed

Just what my son needed

Great book introducing important digital logic concepts

So this book was used for my sophomore year digital circuit class, and I thought the class was brutal. It had nothing to do with the actual difficulty of the class and had everything to do with this textbook (I'm not sure if this even qualifies as a textbook). This is not good to learn from and I would suggest getting another textbook unless your teacher assigns problems from this book (my professor hardly ever did). One positive thing to note, as another reviewer did, is the book's usefulness as a reference. So bottom line- if you need it or want a good reference buy it and if you don't then save your money.

The material covered in this book is basic and not presented in any better manner than any other text on the subject. The binding, paper, and quality of print is marginal, especially for the price. This is not a high quality book by any definition. Additionally, the spine has already broken on this book and that happening with very little use. Very poor quality.

Our college required these. This book sucks, thankfully I have a great teacher and don't need the book at all.

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