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# Digital Systems: Principles And Applications (11th Edition)



eleventh edition

digital systems

principles and applications

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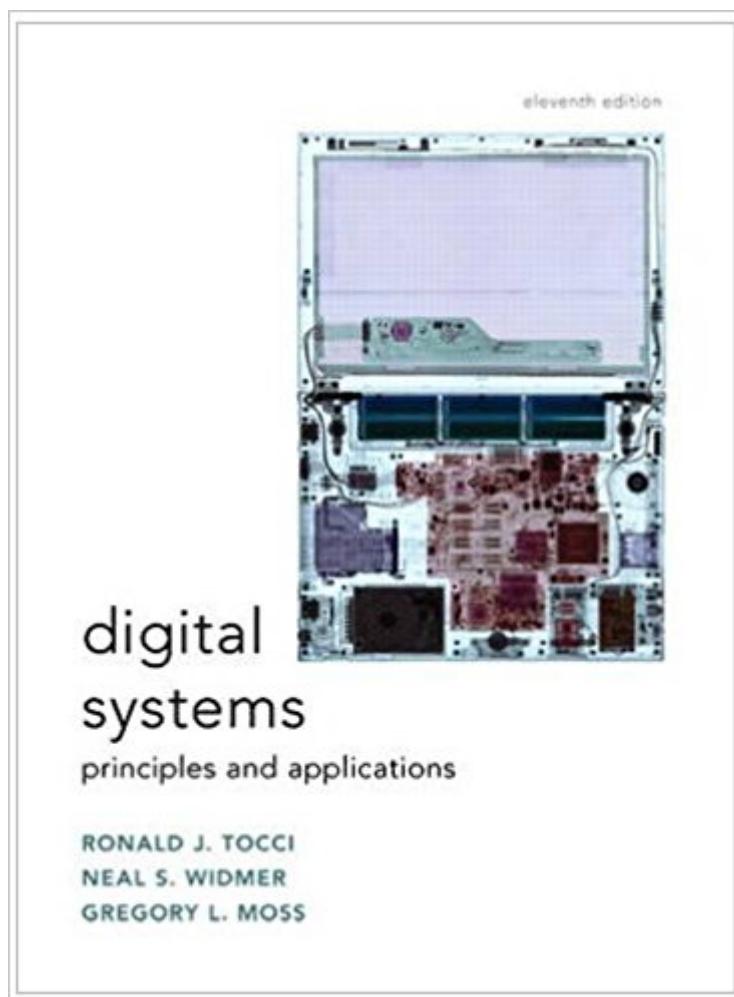
# Synopsis

For an introduction to digital systems in two- and four-year programs in technology, engineering, and computer science. While a background in basic electronics is helpful, the majority of the material requires no electronics training.Tocci and Widmer use a block diagram approach to basic logic operations, to enable students to have a firm understanding of logic principles before they study the electrical characteristics of the logic ICs. For each new device or circuit, the authors describe the principle of the operation, give thorough examples, and then show its actual application. --This text refers to an out of print or unavailable edition of this title.

# Book Information

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# Customer Reviews

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Key Benefit:This book presents a comprehensive introduction to the principles and techniques of modern digital systems. The majority of the material requires no electronics training. Key Topics: The book delivers a clear, understandable presentation with a substantial number of diagrams and thoroughly explained examples. It covers the principles and techniques of troubleshooting as well as

a practical application of principles using actual ICS. The seventh edition of Digital Systems: Principles and Applications has been updated wherever necessary with some material rewritten for greater clarity and completeness. The book now includes new examples, review questions, and problems to reinforce the material. In addition, several new applications provide a working context for the material. Market: A valuable reference on digital systems for any professional. --This text refers to an out of print or unavailable edition of this title.

If someone who is just starting to learn about digital systems or even someone who has years worth of experience in this field, asks me what's the best book in the market to get a thorough grip on the fundamentals of digital systems, this is the book. I may not have read every book, but I'll tell you this, it definitely won't get any better.It elucidates every point with numerous and well explained examples, from what binary numbers are to analog/digital conversion methods, memory, RAM structure, etc. It is worded in almost layman's terms so the essence is easy pick up. Practical and relevant problems are given which further reinforce understanding. You also can't explain digital systems today without talking about VHDL and AHDL (Hardware Description Languages - HDL). Not only are the concepts explained through examples and diagrams, they're also covered by the HDL's, so if you're a college student where you'll most likely be introduced to them, this is ideal.I don't I need to say anything more, as it's very clear how strongly I think of this book. Get it, it will make a huge difference in your understanding.

This in the best book I have read introducing digital electronics. It is much more in depth then other books on the market. The examples go in to a level of detail that gives you a much better understanding of how certain concepts work. This is the only book I have come across that actually describes how the various logic families (CMOS, TTL) work on a transistor basis. Just great!

This textbook was very helpful in my Digital Electronics class.

Best digital book with many examples of VHDL and ADHL. Clear examples and explanations.

This book was in good shape, is a good read, and is very helpful outside of lecture.

Most amazing thing is that this book was described as "Good". It was in all actuality "Excellent". The book was brand new and had all of the supplemental materials in it. The item came ahead of

scheduled and saved me tons of money. Excellent service and a great product!

Tenth Edition is almost identical to the current Eleventh Edition. Most of the problems are identical. Others have four additional items added. Book is well written with many problems. Many answers are given but appear random as opposed to answers to every odd question.

It's a good read for learning digital circuits. But the questions in the chapter end are tougher then the material presented. You'll need alternate materials / professor / tutor to do really well with this book, IMO.

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