



 Get Print Book

Intuitive Analog Circuit Design, Second Edition

By Marc Thompson



Download



Read Online

Intuitive Analog Circuit Design, Second Edition By Marc Thompson

Intuitive Analog Circuit Design outlines ways of thinking about analog circuits and systems that let you develop a feel for what a good, working analog circuit design should be. This book reflects author Marc Thompson's 30 years of experience designing analog and power electronics circuits and teaching graduate-level analog circuit design, and is the ideal reference for anyone who needs a straightforward introduction to the subject.

In this book, Dr. Thompson describes intuitive and "back-of-the-envelope" techniques for designing and analyzing analog circuits, including transistor amplifiers (CMOS, JFET, and bipolar), transistor switching, noise in analog circuits, thermal circuit design, magnetic circuit design, and control systems. The application of some simple rules of thumb and design techniques is the first step in developing an intuitive understanding of the behavior of complex electrical systems.

Introducing analog circuit design with a minimum of mathematics, this book uses numerous real-world examples to help you make the transition to analog design. The second edition is an ideal introductory text for anyone new to the area of analog circuit design.

- LTSPICE files and PowerPoint files available online to assist readers and instructors in simulating circuits found in the text
- Design examples are used throughout the text, along with end-of-chapter examples
- Covers real-world parasitic elements in circuit design and their effects



[Download Intuitive Analog Circuit Design, Second Edition ...pdf](#)



[Read Online Intuitive Analog Circuit Design, Second Edition ...pdf](#)

Intuitive Analog Circuit Design, Second Edition

By Marc Thompson

Intuitive Analog Circuit Design, Second Edition By Marc Thompson

Intuitive Analog Circuit Design outlines ways of thinking about analog circuits and systems that let you develop a feel for what a good, working analog circuit design should be. This book reflects author Marc Thompson's 30 years of experience designing analog and power electronics circuits and teaching graduate-level analog circuit design, and is the ideal reference for anyone who needs a straightforward introduction to the subject.

In this book, Dr. Thompson describes intuitive and "back-of-the-envelope" techniques for designing and analyzing analog circuits, including transistor amplifiers (CMOS, JFET, and bipolar), transistor switching, noise in analog circuits, thermal circuit design, magnetic circuit design, and control systems. The application of some simple rules of thumb and design techniques is the first step in developing an intuitive understanding of the behavior of complex electrical systems.

Introducing analog circuit design with a minimum of mathematics, this book uses numerous real-world examples to help you make the transition to analog design. The second edition is an ideal introductory text for anyone new to the area of analog circuit design.

- LTSPICE files and PowerPoint files available online to assist readers and instructors in simulating circuits found in the text
- Design examples are used throughout the text, along with end-of-chapter examples
- Covers real-world parasitic elements in circuit design and their effects

Intuitive Analog Circuit Design, Second Edition By Marc Thompson Bibliography

- Sales Rank: #512519 in Books
- Published on: 2013-12-06
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 1.44" w x 7.52" l, .0 pounds
- Binding: Paperback
- 722 pages

 [Download Intuitive Analog Circuit Design, Second Edition ...pdf](#)

 [Read Online Intuitive Analog Circuit Design, Second Edition ...pdf](#)

Editorial Review

Review

"...an excellent book for an advanced class in electrical engineering or for analog-circuit designers who want to learn quickly about analog circuits and apply that knowledge to designing and building real circuits."--**IEEE Electrical Insulation Magazine, Jan-Feb 2015**

About the Author

Dr. Thompson specializes in custom R/D, analysis, and failure investigations into multi-disciplinary electrical, magnetic, electromechanical and electronic systems at Thompson Consulting, Inc. (Harvard MA).

The author is also Teaching Professor of Electrical and Computer Engineering at Worcester Polytechnic Institute. He teaches graduate-level and undergraduate seminars in analog, power quality, power electronics, electromechanics, electric motors, rotating machinery, and power distribution for high-tech companies. He has taught for University of Wisconsin-Madison, covering classes in electric motors, electromechanical systems, power electronics and magnetic design.

Users Review

From reader reviews:

Lydia Donaldson:

Hey guys, do you would like to finds a new book you just read? May be the book with the subject Intuitive Analog Circuit Design, Second Edition suitable to you? The particular book was written by famous writer in this era. Often the book untitled Intuitive Analog Circuit Design, Second Edition is one of several books that will everyone read now. This kind of book was inspired lots of people in the world. When you read this guide you will enter the new dimension that you ever know just before. The author explained their strategy in the simple way, and so all of people can easily to comprehend the core of this guide. This book will give you a great deal of information about this world now. In order to see the represented of the world within this book.

Kevin Lewis:

The particular book Intuitive Analog Circuit Design, Second Edition has a lot of knowledge on it. So when you make sure to read this book you can get a lot of gain. The book was authored by the very famous author. The author makes some research prior to write this book. This book very easy to read you can get the point easily after reading this book.

Earl Wright:

This Intuitive Analog Circuit Design, Second Edition is great reserve for you because the content which is

full of information for you who also always deal with world and still have to make decision every minute. This book reveal it facts accurately using great plan word or we can state no rambling sentences in it. So if you are read that hurriedly you can have whole info in it. Doesn't mean it only provides straight forward sentences but tough core information with splendid delivering sentences. Having Intuitive Analog Circuit Design, Second Edition in your hand like finding the world in your arm, info in it is not ridiculous one particular. We can say that no book that offer you world within ten or fifteen moment right but this reserve already do that. So , this is good reading book. Hi Mr. and Mrs. busy do you still doubt that?

Julie Gibson:

The book untitled Intuitive Analog Circuit Design, Second Edition contain a lot of information on it. The writer explains the girl idea with easy way. The language is very simple to implement all the people, so do certainly not worry, you can easy to read this. The book was authored by famous author. The author brings you in the new period of literary works. It is easy to read this book because you can read more your smart phone, or model, so you can read the book within anywhere and anytime. In a situation you wish to purchase the e-book, you can open their official web-site as well as order it. Have a nice read.

Download and Read Online Intuitive Analog Circuit Design, Second Edition By Marc Thompson #VGJPZH1Y5A7

Read Intuitive Analog Circuit Design, Second Edition By Marc Thompson for online ebook

Intuitive Analog Circuit Design, Second Edition By Marc Thompson 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 Intuitive Analog Circuit Design, Second Edition By Marc Thompson books to read online.

Online Intuitive Analog Circuit Design, Second Edition By Marc Thompson ebook PDF download

Intuitive Analog Circuit Design, Second Edition By Marc Thompson Doc

Intuitive Analog Circuit Design, Second Edition By Marc Thompson Mobipocket

Intuitive Analog Circuit Design, Second Edition By Marc Thompson EPub