



# Intuitive Analog Circuit Design, Second Edition

By Marc Thompson

Download now

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:**

#### **Luis Martin:**

Typically the book Intuitive Analog Circuit Design, Second Edition will bring one to the new experience of reading a book. The author style to elucidate the idea is very unique. If you try to find new book to learn, this book very suited to you. The book Intuitive Analog Circuit Design, Second Edition is much recommended to you you just read. You can also get the e-book through the official web site, so you can quicker to read the book.

#### **Thomas Woods:**

Don't be worry if you are afraid that this book can filled the space in your house, you will get it in e-book technique, more simple and reachable. This kind of Intuitive Analog Circuit Design, Second Edition can give you a lot of buddies because by you checking out this one book you have thing that they don't and make a person more like an interesting person. This book can be one of one step for you to get success. This e-book offer you information that possibly your friend doesn't understand, by knowing more than additional make you to be great individuals. So , why hesitate? Let me have Intuitive Analog Circuit Design, Second Edition.

#### **Deborah Hagan:**

Do you like reading a book? Confuse to looking for your chosen book? Or your book was rare? Why so many question for the book? But any kind of people feel that they enjoy intended for reading. Some people

likes studying, not only science book but additionally novel and Intuitive Analog Circuit Design, Second Edition or others sources were given expertise for you. After you know how the great a book, you feel need to read more and more. Science e-book was created for teacher or perhaps students especially. Those ebooks are helping them to bring their knowledge. In some other case, beside science publication, any other book likes Intuitive Analog Circuit Design, Second Edition to make your spare time considerably more colorful. Many types of book like here.

**Belinda Fergerson:**

What is your hobby? Have you heard that question when you got scholars? We believe that that problem was given by teacher for their students. Many kinds of hobby, Everyone has different hobby. And you know that little person similar to reading or as looking at become their hobby. You need to know that reading is very important along with book as to be the factor. Book is important thing to add you knowledge, except your personal teacher or lecturer. You see good news or update in relation to something by book. Numerous books that can you choose to use be your object. One of them are these claims Intuitive Analog Circuit Design, Second Edition.

**Download and Read Online Intuitive Analog Circuit Design, Second Edition By Marc Thompson #X9HN1ID48ST**

# **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**

**X9HN1ID48ST: Intuitive Analog Circuit Design, Second Edition By Marc Thompson**