



# Grounding and Shielding: Circuits and Interference (Wiley - IEEE)

*By Ralph Morrison*

**Grounding and Shielding: Circuits and Interference (Wiley - IEEE) By Ralph Morrison**

**Applies basic field behavior in circuit design and demonstrates how it relates to grounding and shielding requirements and techniques in circuit design**

This book connects the fundamentals of electromagnetic theory to the problems of interference in all types of electronic design. The text covers power distribution in facilities, mixing of analog and digital circuitry, circuit board layout at high clock rates, and meeting radiation and susceptibility standards. The author examines the grounding and shielding requirements and techniques in circuit design and applies basic physics to circuit behavior. The sixth edition of this book has been updated with new material added throughout the chapters where appropriate. The presentation of the book has also been rearranged in order to reflect the current trends in the field.

*Grounding and Shielding: Circuits and Interference, Sixth Edition:*

- Includes new material on vias and field control, capacitors as transmission lines, first energy sources, and high speed designs using boards with only two layers
- Demonstrates how circuit geometry controls performance from dc to gigahertz
- Examines the use of multi-shielded transformers in clean-power installations
- Provides effective techniques for handling noise problems in analog and digital circuits
- Discusses how to use conductor geometry to improve performance, limit radiation, and reduce susceptibility to all types of hardware and systems

*Grounding and Shielding: Circuits and Interference, Sixth Edition* is an updated guide for circuit design engineers and technicians. It will also serve as a reference for engineers in the semiconductor device industry.

**Grounding and Shielding: Circuits and Interference (Wiley - IEEE) By Ralph Morrison Bibliography**

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### Editorial Review

From the Back Cover

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**Ralph Morrison** is an expert in the area of interference control and electronics, with thirty years of design and consulting experience. He was president of Instrum for more than a decade, and has authored *Noise and Other Interfering Signals*, *Grounding and Shielding in Facilities*, and *Solving Interference Problems in Electronics*, all published by Wiley.

### Users Review

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**Stanley Wells:**

Do you have favorite book? If you have, what is your favorite's book? Publication is very important thing for us to understand everything in the world. Each book has different aim or perhaps goal; it means that guide has different type. Some people really feel enjoy to spend their time for you to read a book. They are really reading whatever they take because their hobby is actually reading a book. Think about the person who don't like studying a book? Sometime, man or woman feel need book whenever they found difficult problem or maybe exercise. Well, probably you will want this *Grounding and Shielding: Circuits and Interference* (Wiley - IEEE).

**Melvin Wilhelm:**

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