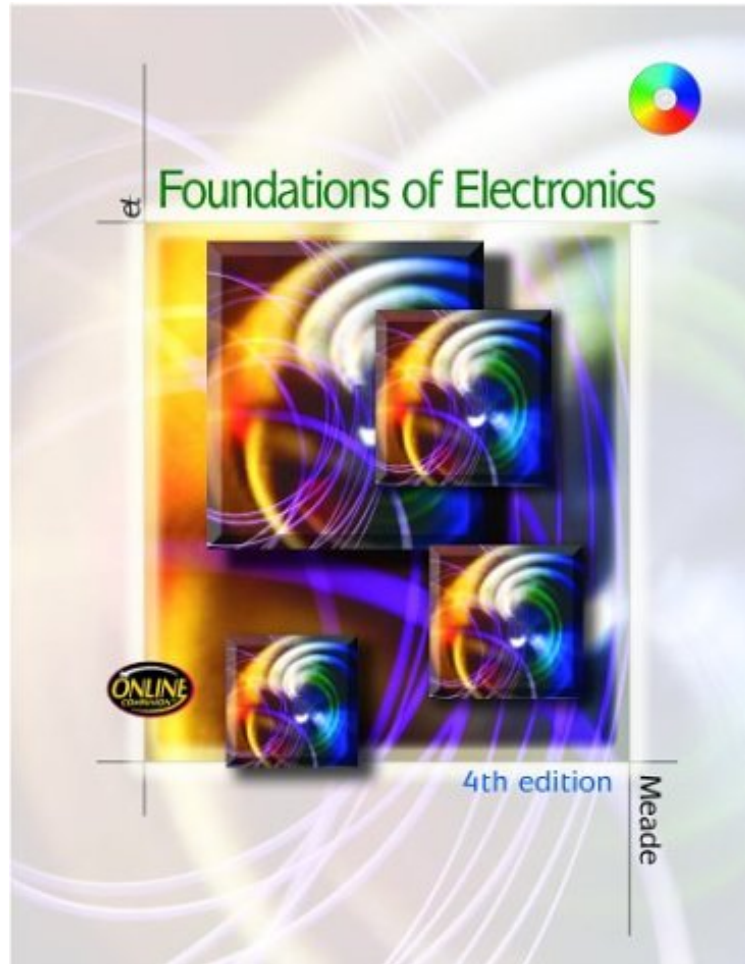


# Foundations of Electronics

*Russell L. Meade*

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**Russell L. Meade : Foundations of Electronics** before purchasing it in order to gauge whether or not it would be worth my time, and all praised Foundations of Electronics:

1 of 1 people found the following review helpful. I find it a good resource for people who aren't Electronics Majors By Tinkerer Had this for several years even after taking the class I used it for, I find it a good resource for people who aren't Electronics Majors, however you'll probably get a better and more concise teaching from the US Navy Electricity and Electronics Training Series that is easily available online and for free on the net. I would only recommend this to people who need it for the class, but still a good book for those who haven't studied electronics. Though it is formatted as a textbook and will most likely require an instructor and extra material to learn from it effectively. 0 of 0 people found the following review helpful. Foundational and Fundamental By Richard Smith III Excellent fundamental material to give you a solid foundation and understanding of how electricity works and you can build on this information. I had this book as a mandatory college resource for two classes I took back around 2010,

it's held up quite well. In fact as an electrical apprentice, when taking A/C Theory I used this book instead of the assigned book in my apprenticeship class a few years back. It is very thorough and detailed in explanation at least it's to my liking. I highly recommend it for those who have an interest in electricity or branching into this diverse field this is a great book to start with. I have the 5th Edition and this review is for that version only. 0 of 0 people found the following review helpful. Five Stars  
By Edgar Banuelosgood

From principles of basic circuits through analysis of passive and active circuit components, Foundations of Electronics is the perfect choice for introducing readers to the world of electronics technology. Chock full of full-color charts, photographs, schematics and diagrams, this newly redesigned edition uses real-world color codes and strategic highlighting to focus attention on key points. Reader-friendly and ideal for technician training, this comprehensive book begins by exploring basic concepts such as voltage, current, plus power and resistance in series, parallel and combination circuits. Equipped with an understanding of circuit behavior, readers move on to the study of more complex topics, including: network theorems, magnetism, resonance, and more. Throughout the book, step-by-step examples and practice problems appear directly after explanations of key concepts, providing a bridge between must-know theory and hands-on circuit work. Attention-getting previews, helpful key terms lists, learning objectives, summaries and other pedagogical aids have also been integrated into every chapter to motivate users and build their confidence.

Foundational Concepts Basic Concepts of Electricity Electrical Quantities and Components Ohm's Law Series Circuits Parallel Circuits Series-Parallel Circuits Basic Network Theorems Network Analysis Techniques Magnetism and Electromagnetism Measuring Instruments Basic AC Quantities The Oscilloscope Inductance Inductive Reactance in AC RL Circuits in AC Basic Transformer Characteristics Capacitance Capacitive Reactance In AC RC Circuits in AC RLC Circuit Analysis Series and Parallel Resonance  
About the Author  
Russell L. Meade obtained his Bachelor of Science degree from Mercer University in Georgia. He possesses more than 11 years of teaching experience in electronics and more than 10 years of business experience in such high-tech industries as Scientific-Atlanta, Electromagnetic Sciences, Inc., and Training Technology, Inc. Russell also has more than 16 years of State Agency Technical Education experience in the field of electronics, and has authored numerous books for electronics education and training.