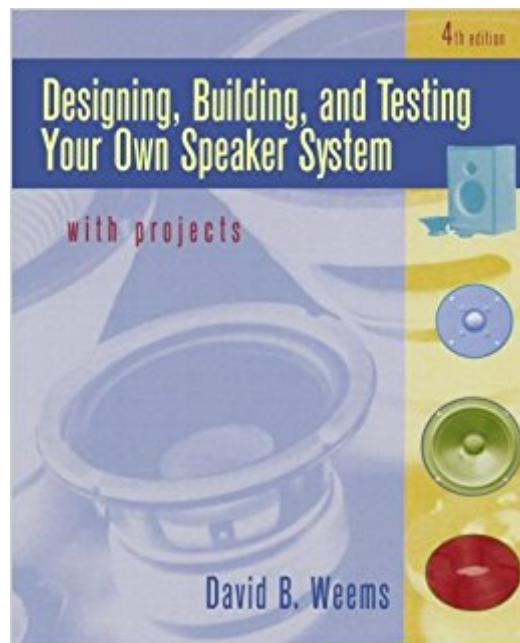




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Designing, Building, And Testing Your Own Speaker System With Projects



Synopsis

Inside, you get full details on a valuable new computer program that helps you create top-flight speaker systems while avoiding complicated mathematical equations and errors. Also new to this edition are improved speaker tests, expanded information on crossover networks, practical dimension charts, techniques for designing double-chamber reflex enclosures, and more. The book provides you with concise, step-by-step instructions for building speakers, and teaches you how to choose speakers that are best suited for various specific uses, set up a home system that will give you optimal performance, and critically evaluate speakers by ear if you lack test equipment. The included list of driver and system components suppliers helps you get started right away.

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Customer Reviews

Build Your Own Deluxe Speakers! Thousands of hobbyists, students, and electronics salespeople and technicians have turned to this best-selling guide for expert advice and a collection of simple-to-advanced speaker system projects. Now in its fourth edition, it continues to set the standard for accessible, up-to-the-minute guidance, building, and testing speakers that sound as good as any system you can buy-for hundreds less!. Inside, you get full details on a valuable new computer program that helps you create top-flight speaker systems while avoiding complicated mathematical equations and errors. With the included coupon, you can order the program at a significant savings over the regular price. Also new to this edition are improved speaker tests, expanded information on crossover networks, practical dimension charts, techniques for designing

double-chamber reflex enclosures, and more. The book provides you with concise, step-by-step instructions for building speakers, and teaches you how to: Choose speakers that are best suited for various specific uses; Set up a home system that will give you optimal performance; Critically evaluate speakers by ear if you lack test equipment. The included list of driver and system components suppliers helps you get started right away.

David B. Weems is an acknowledged expert in speaker systems and speaker enclosures. He has written several books, including all four editions of *Designing, Building, and Testing Your Own Speaker Systems* with Projects and the first edition of this volume. Weems also has contributed numerous articles on speaker systems to such widely read electronics publications as *Audio*, *High Fidelity*, *Popular Electronics*, *Radio Electronics*, and *Speaker Builder*. G. R. Koonce is a member of the Audio Engineering Society and contributes many articles to *Speaker Builder* magazine.

I bought this book as a replacement for the same book which I bought at a Radio Shack over 30 years ago. To this day, this book remains one of the best books on the subject since it presents all of the basic design principals in an easy to read fashion which is easily comprehended by the layman. No rocket science is required to understand this book, thanks to the author's very good writing skills! Even Gilligan of Gilligan's Island could build a decent sounding set of stereo speakers after reading this book.

Excellent book for beginners. Covers a wide range of concepts with sufficient detail. Of course you need to know some of the science involved otherwise it will sound like Greek and Latin. I use this book to understand the fundamental concepts. If I need more detail, I can always refer to a scientific paper on that specific topic. Author does an excellent job of not only introducing to the concepts, but also tells you what is good and what is bad. For example, in the section about Thiele parameters, he tells you what are acceptable values. I love this book. Worth every penny.

Maybe it's just my (Kindle) copy. It has blank/missing pages, tables... starting in Chapter 3 (at location 450). It's impossible to get a flowing narrative to know if this book is any good at all. What a BUST!

I'm a big Weems fan! I bought the 1st edition ~25 years ago. I used the first edition to build dozens

of Hi-Fi, Pro-Audio and Car loudspeaker systems. With my first edition getting pretty worn with use, so I recently purchased the 4th edition, and I am very pleased. There are other books, but Weems book is still the best speaker book for the money! The 4th edition has been edited to the fundamental information required to design loudspeakers. In addition, Mr. Weems added design information on 3rd and 4th order cross over networks and added the governing equations to determine f_b , f_3 and V_b for closed and vented boxes. The BASIC source code for programs to design speaker and cross overs is also provided. Yea, the BASIC code is a little dated since most operating systems don't have a BASIC interpreter these days. I would like to see the programs downloadable (preferably in VB), but I have used the source code and the equations to write make my own VB application. Weems provides both exact solutions (for math lovers), and the "minimal math" approach as well. Either way, you need to do "some" math to correctly design a loudspeaker enclosure. Most folks, who have mastered high school algebra and can solve simple equations, should be able to use the charts and graphs and design boxes and cross over networks. I recommend this book for everyone from pro's to beginners. For the Physicists and Engineers out there, you may be a little disappointed that the derivation of the solutions are not presented. For beginners, if the design task seems overwhelming, this book will provide a great foundation to buy a kit from one of the online retailers. Either way, if I had to choose one speaker building book, this would be the one.

This is a very basic introduction that covers all aspects of building speakers. However, it doesn't introduce much of the theory behind the various principles beyond a narrative. Very good if you know absolutely nothing about speaker building and want to start. Not good if you have some background knowledge already.

Exactly what I expected!!!

This didn't have the theoretical material I was looking for. It is more a list of designs you can make modifications to and then build. Really not what I was looking for.

Some great information for do-it-yourselfers, although the net also has great info these days if one looks hard enough. A great resource at your fingertips!

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