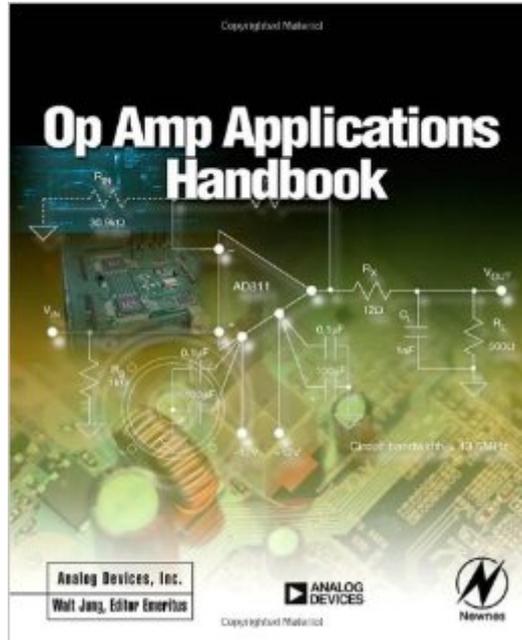**The book was found**

Op Amp Applications Handbook (Analog Devices Series)

Synopsis

Operational amplifiers play a vital role in modern electronics design. The latest op amps have powerful new features, making them more suitable for use in many products requiring weak signal amplification, such as medical devices, communications technology, optical networks, and sensor interfacing. The Op Amp Applications Handbook may well be the ultimate op amp reference book available. This book is brimming with up-to-date application circuits, valuable design tips, and in-depth coverage of the latest techniques to simplify op amp circuit designs, and improve their performance. As an added bonus, a selection on the history of op amp development provides an extensive and expertly researched overview, of interest to anyone involved in this important area of electronics. * Seven major sections packed with technical information* Anything an engineer will want to know about designing with op amps can be found in this book* Op Amp Applications Handbook is a practical reference for a challenging engineering field.

Book Information

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Customer Reviews

I've used 3 editions of the author's Op Amp Cookbook over the last 15 years, and found it to be an invaluable source of practical designs, accompanied by solid descriptions of the underlying principles. Based on that experience, I expected this book to be good. I am by no means disappointed.It isn't a cookbook, although it does include many useful concrete design examples. It

is more of an applications problem-solving guide. I've often found that some of the most useful op amp design information is buried in specific device datasheets and application notes, and have often found myself wishing someone would extract all of those nuggets, organize them, fill in the gaps, and publish them. As I read through this book, I found many such nuggets (primarily derived from Analog Devices' datasheets and app notes), which I had previously regarded as hidden treasure, uncovered only by tedious slogging through numerous datasheets. This is not, however, a re-packaging of previously published app notes. The chapters are comprehensive, well-written, and well-integrated.Those interested in audio applications may remember that the original edition of the author's Op Amp Cookbook contained an extremely useful chapter on audio circuits. In the second edition, this material was extracted and published in a separate book, which (unfortunately) went out of print and has become hard to find. You will be happy to note that the new Applications Handbook has excellent coverage of audio op amp applications and design principles.

There is nothing I can add to what others have already said positively about this book. It is really good - one of the best in its field. I also recommend Analog Device's outstanding "Designer's Guide to Instrumentation Amplifiers".For those on a short budget, like me: you can download it for FREE from the Analog Devices website on a chapter by chapter base or zipped (17 MB), in PDF format. BTW, you can also download "Designer's Guide to Instrumentation Amplifiers " for FREE from AD's website.

This is a great textbook for electrical engineers and hobbyists with fundamental knowledge of op-amp operation. The text is easy to read and explains concepts that are understandable for both the inexperienced and experienced engineer and also gives an excellent historical treatment of op-amp evolution. The mathematics involved is concise and to the point. This text gives engineers tools to understand the op-amp beyond the ideal models presented in basic circuit theory and electronics courses given in undergraduate programs. To apply op-amps properly, you need to go beyond the simplistic assuptions - this book will help you given you have an understanding of basic electronics design and analysis. I highly recommend having this book on your shelf for a reference.

This is a great reference book. Starting with Op Amp Basics (chapter 1) and continuing on with Instrumentation amps, Op Amps used in data converters and signal conditioning, the book is full of valuable information. The book even covers PCB layout techniques and parasitic effects that become important in high speed systems and precision systems. There is also a history of the Op

Amp which is interesting to read.Anyone interested in analog circuit design in general, and op amps in particular will enjoy this book. It is a good reference for any engineer's bookshelf.

I've had my copy for over five years and have found it invaluable. Having a free download version is nice, but the printed version is more useful. I especially appreciate Walt Jung's and the other author's stories about the development of analog IC technology, and their perspectives on the various circuit techniques engineered into the ICs that we love to design into our circuits. The chapter on Op-amp structures, especially valuable. Walt Kester's chapter on high-speed op-amps is also very useful.

Like some have stated before its a cookbook, but WHAT a cook book, there are literally tons of applications inside, the only downside I see is that many times, the circuits are very briefly explained, I would have loved to have a longer and more in depth explanation of whats going on in the circuit. That being said, I understand that the amount of info needed for that would probably required several volumes instead of a single book which is already considerably thick.In any case, everytime I need an analog circuit for certain application I open this book and I can always find something useful that will work. I highly recomend this book for someone who does electronic design, this book will provide a very vast amount of resources for fast implementation.

Great book by very very smart people, but this isn't a basic filter theory book. If you are looking for a solid starting foundation to go over time/frequency domain and the ins and outs of active analog filters in details this is a bit more advanced. For those who have a back ground in analog electronics and filters this is an outstanding book and very good reference for a designer. They cover an enormous amount of information and design applications in this book. It is also written well and very understandable.

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