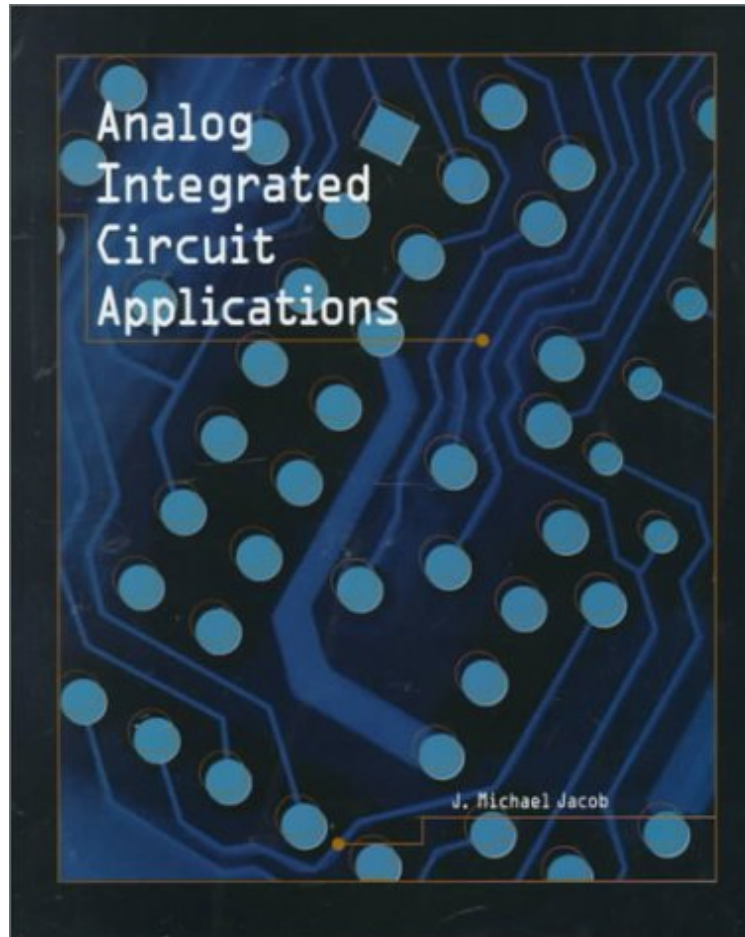


Analog Integrated Circuits Applications

J. Michael Jacob

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This is a very basic book, but what's good about it is that its quite different from most of the standard undergraduate text books. It is a combination between textbook and cookbook, the author presents application circuits rather than device theory and at the same time explains how the circuit works and how to calculate it. Its a very practical book if I may say, however the circuits are the most basic, im talking NE555 Timer circuits, most basic opamps configurations, filters and oscilators, and thats basically it. As it is, this book is a great resource for beginners with some basic knowledge of opamps and circuit theory, I would've loved to learn from this book and build these circuits when I was starting out, this book would be great for a course with a more hands on approach. If only this book had a higher degree of complexity and more circuit applications whilst retaining its practical approach, this would be one of the best books out there, instead it falls short to deliver really meaningful advice for slightly more advanced readers. I find it really

enjoyable to read a section or two from time to time. 0 of 0 people found the following review helpful. Highly recommended for those who wish to make analog circuit(not microelectronic but using OP amp and passive elements).By Yeoun Jae KimI am not a EE specialist nor EE experiencer. However, My major field pushed me to study EE(not microelectronics level, but sufficient to make a integrated system from digital to analog). Firstly, I collected the basic knowledge through Anant's book. That book teaches very thorough EE knowledge. This book is the next book I choose to learn analog circuit. Very Excellent. Anant's book teaches the Basic knowledge of EE and this book teaches you the practical and very useful knowledge to design and make analog circuit. This book spans every aspect using OPamp and other passive electronic elements. I am very surprised to the know-how the author has. If you integrate the AVR or other digital system with analog circuitry, this book is for you. Active filter, digital potentiometer, power module, nonlinear circuit and other OP-amp related topic all very readable and practical. And it did not lose the theoretical aspect of circuit theory. The only complain is the book cost a bit much. Highly recommended!!!4 of 4 people found the following review helpful. excellent textbook on analog IC applicationBy zhenhua shaoTo my knowledge, this is the best book on this subject (at this level). I believe if you go through this book THOROUGHLY and finish all the projects included, it is worth at least two year practical experience. For me an electrical engineer with 10 year working experience, I still find this book very useful.The author could make the book even better if a bit more contents are added in Chapter 3: Digital Control of Analog Functions, such as examples with microcontroller applications (interface with A/D D/A), though it may be beyond 'Analog' IC application.Also, I found some parts used in the book are no longer available (therefore I would suggest the author to update some contents if he is planning to do so), you better check vendor's website to find the most current one.

This book takes full advantage of the latest advances in analog integrated circuits, computer-aided design, electronic publishing, and the World Wide Web's implications for publication support and distribution. Coverage opens with an introduction to the operational amplifier integrated circuit, then presents chapters on amplifiers and feedback; digital control of analog functions; power supplies and ic regulators; operational amplifier characteristics; layout and fabrication of analog circuits; single supply amplifiers; waveform generators; active filters; and nonlinear circuits. For practicing analog integrated circuit designers and anyone interested in applications and design with analog integrated circuits.

From the Back CoverThis book takes full advantage of the latest advances in analog integrated circuits, computer-aided design, electronic publishing, and the World Wide Web's implications for publication support and distribution. Coverage opens with an introduction to the operational amplifier integrated circuit, then presents chapters on amplifiers and feedback; digital control of analog functions; power supplies and ic regulators; operational amplifier characteristics; layout and fabrication of analog circuits; single supply amplifiers; waveform generators; active filters; and nonlinear circuits. For practicing analog integrated circuit designers and anyone interested in applications and design with analog integrated circuits.