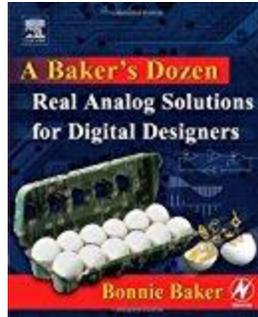


# A Baker's Dozen: Real Analog Solutions for Digital Designers by Bonnie Baker



[Excellent Intro To Analog/Digital Co-Design](#)

This book has been written to help digital engineers who need a few basic analog tools in their toolbox. For practicing digital engineers, students, educators and hands-on managers who are looking for the analog foundation they need to handle their daily engineering problems, this will serve as a valuable reference to the nuts-and-bolts of system analog design in a digital world.

This book is a hands-on designers guide to the most important topics in analog electronics-such as Analog-to-Digital and Digital-to-Analog conversion, operational amplifiers, filters, and integrating analog and digital systems. The presentation is tailored for engineers who are primarily experienced and/or educated in digital circuit design. This book will teach such readers how to think analog when it is the best solution to their problem. Special attention is also given to fundamental topics, such as noise and how to use analog test and measurement equipment, that are often ignored in other analog titles aimed at professional engineers.

\* Extensive use of case-histories and real design examples.

\* Offers digital designers the right analog tool for the job at hand.

\* Conversational, anecdotal tone is very easily accessible by students and practitioners alike.

#### My Personal Review:

Anyone who works in electronics outside of the RF field knows that analog circuitry is being eclipsed by digital. However, analog is not truly dead, and will never be. Baker shows that many digital systems can benefit from judiciously-applied analog circuitry. New engineers would also benefit from the many case studies that the author discusses, such as the tradeoffs associated with using a particular kind of A/D for a specific application. This book bridges the analog and digital worlds, and gives the reader a foundation for delving into more specific knowledge that may be needed, such as in/op-amps, or DSP. However, much of this material will be known to engineers that have been in the EE field for some years, so the book is really aimed at students who will soon graduate, and engineers that just got their first design job.

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