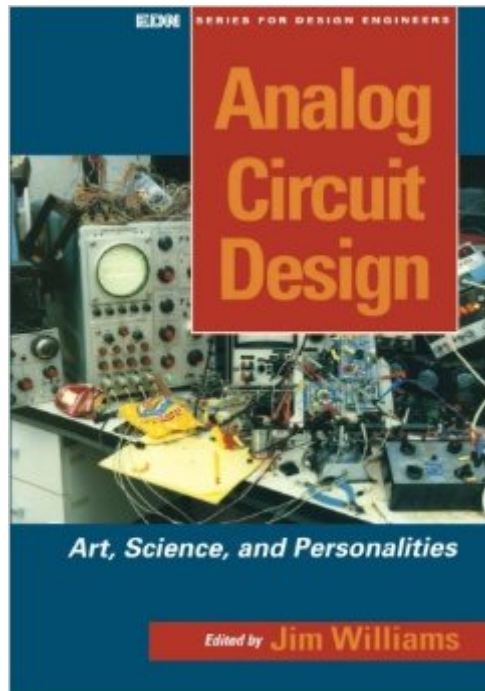


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# Analog Circuit Design: Art, Science And Personalities (EDN Series For Design Engineers)



## Synopsis

This book is far more than just another tutorial or reference guide - it's a tour through the world of analog design, combining theory and applications with the philosophies behind the design process. Readers will learn how leading analog circuit designers approach problems and how they think about solutions to those problems. They'll also learn about the 'analog way' - a broad, flexible method of thinking about analog design tasks. A comprehensive and useful guide to analog theory and applications. Covers visualizing the operation of analog circuits. Looks at how to rapidly determine workable approximations of analog circuit parameters.

## Book Information

Series: EDN Series for Design Engineers

Paperback: 400 pages

Publisher: Butterworth-Heinemann (July 3, 1991)

Language: English

ISBN-10: 0750696400

ISBN-13: 978-0750696401

Product Dimensions: 7 x 0.9 x 10 inches

Shipping Weight: 1.9 pounds (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars [See all reviews](#) (12 customer reviews)

Best Sellers Rank: #540,481 in Books (See Top 100 in Books) #77 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Integrated](#) #165 in [Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design](#) #677 in [Books > Textbooks > Computer Science > Software Design & Engineering](#)

## Customer Reviews

Analysis is a science: there's a right answer out there, and we can all agree when it's found.

Troubleshooting is the same way: when the broken bit is found and fixed, the circuit starts working properly.

Design, on the other hand, is an art; there's always more than one way to do it, and the individuality of the designer has a strong influence on the way the design turns out: hence "Art, Science, and Personalities". This isn't to say that a good designer does unusual things without a good reason, or adds expensive bells and whistles because he happens to like them. What it means is that for designs that are not routine, the designer's personality has a lot to do with how it comes out. To become an expert designer, you need a well-developed technical taste. Once you have a design that works at some level, it's that sour feeling in the back of your mouth that will tell you that

it isn't right yet, that it can be simpler, cheaper, or more reliable. There aren't a lot of other sources of that information. Arts are taught by apprenticeship. But where are you going to go to get taught this stuff nowadays? EE departments are going more and more to software, as shown by the vast number of graduate EEs who don't know which end of a soldering iron to hold. Jim Williams can't be everybody's mentor, but in this informal (and sometimes whimsical) book, he and his friends show us how the best analogue designers in the business go about things. You know what? One of the most important elements in the art of design is \*play\*. Maybe listening in on these guys playing at being analogue designers isn't quite the same as sitting elbow-to-elbow with them, but it's as close as most of us are going to get, and it's terrifically valuable.

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