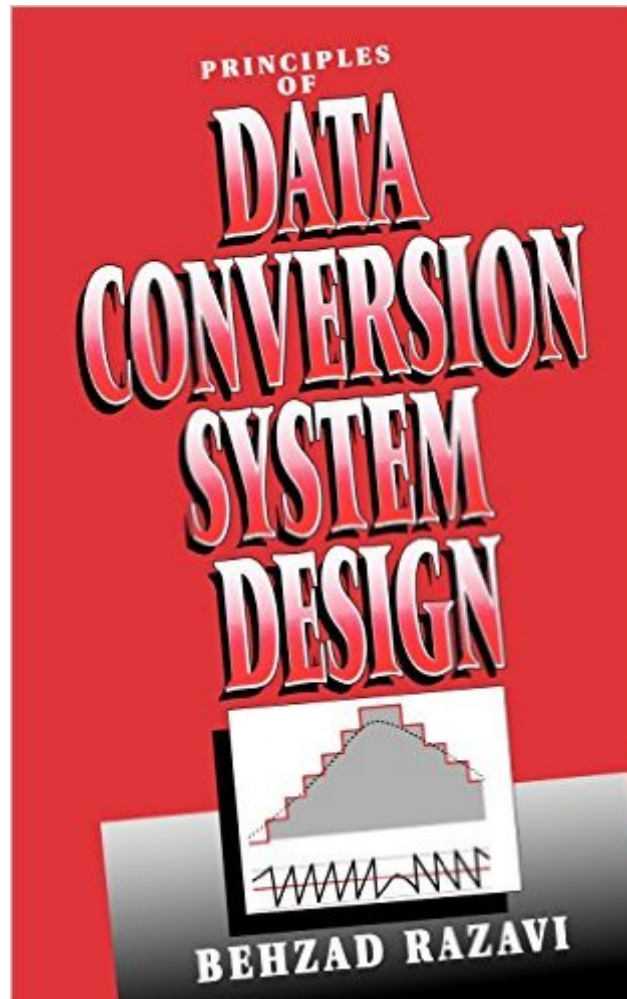


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# Principles Of Data Conversion System Design



## Synopsis

This advanced text and reference covers the design and implementation of integrated circuits for analog-to-digital and digital-to-analog conversion. It begins with basic concepts and systematically leads the reader to advanced topics, describing design issues and techniques at both circuit and system level. Gain a system-level perspective of data conversion units and their trade-offs with this state-of-the art book. Topics covered include: sampling circuits and architectures, D/A and A/D architectures; comparator and op amp design; calibration techniques; testing and characterization; and more!

## Book Information

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Average Customer Review: 1.5 out of 5 stars Â See all reviews Â (2 customer reviews)

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## Customer Reviews

Slightly disappointing overall. This book does a good job discussing the basics for design and implementation of D/A and A/D converts. Don't expect to find much in the way of formulas, metrics for design/testing, derivations and examples. As a text book for a senior D/A, A/D course it is not appropriate. It is useful for those who have a background in the design of a/d and d/a circuits and just want to understand what is it they are designing. A very good discussion (not really explanation) of theory. Covers topics like sampling circuits, sample-and-hold architectures, basic principles of a/d, various building block circuits, precision techniques and some testing and characterization.

This book is too basic. It is similar to a taking an electrical engineering survey course as a graduation requirement for mechanical engineering students.

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