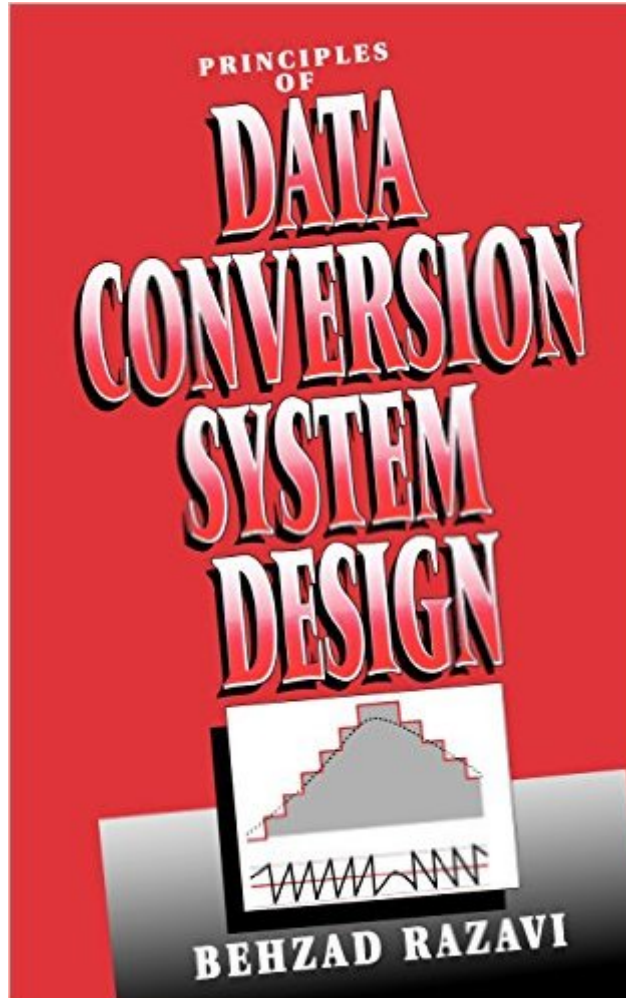# Principles Of Data Conversion System Design

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

Hardcover: 272 pages

Publisher: Wiley-IEEE Press; 1 edition (December 12, 1994)

Language: English

ISBN-10: 0780310934

ISBN-13: 978-0780310933

Product Dimensions: 6.2 x 0.8 x 9.1 inches

Shipping Weight: 15.2 ounces (View shipping rates and policies)

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

Best Sellers Rank: #563,943 in Books (See Top 100 in Books)   #86 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Integrated   #177 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Circuits > Design   #285 inÂ Books > Computers & Technology > Hardware & DIY > Design & Architecture

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.

Principles of Data Conversion System Design La conversion al cristianismo durante los primeros siglos / The conversion to Christianity in the early centuries (Spanish Edition) Data Architecture: A Primer for the Data Scientist: Big Data, Data Warehouse and Data Vault Data Analytics: Practical Data Analysis and Statistical Guide to Transform and Evolve Any Business Leveraging the Power of Data Analytics, Data Science, ... (Hacking Freedom and Data Driven Book 2) Big Data For Beginners: Understanding SMART Big Data, Data Mining & Data Analytics For improved Business Performance, Life Decisions & More! The Data Revolution: Big Data, Open Data, Data Infrastructures and Their Consequences Electric Bicycle Conversion Kit Installation - Made Simple (How to Design, Choose, Install and Use an e-Bike Kit) Discovering Knowledge in Data: An Introduction to Data Mining (Wiley Series on Methods and Applications in Data Mining) Big Data, MapReduce, Hadoop, and Spark with Python: Master Big Data Analytics and Data Wrangling with MapReduce Fundamentals using Hadoop, Spark, and Python LEARN IN A DAY! DATA WAREHOUSING. Top Links and Resources for Learning Data Warehousing ONLINE and OFFLINE: Use these FREE and PAID resources to Learn Data Warehousing in little to no time Data Just Right: Introduction to Large-Scale Data & Analytics (Addison-Wesley Data and Analytics) Algorithms: C++: Data Structures, Automation & Problem Solving, w/ Programming & Design (app design, app development, web development, web design, jquery, ... software engineering, r programming) Computers as Components, Third Edition: Principles of Embedded Computing System Design (The Morgan Kaufmann Series in Computer Architecture and Design) Computers as Components: Principles of Embedded Computing System Design (The Morgan Kaufmann Series in Computer Architecture and Design) Conversion Optimization: The Art and Science of Converting Prospects to Customers GaN Transistors for Efficient Power Conversion Power Conversion and Control of Wind Energy Systems (IEEE Press Series on Power Engineering) Camp Like a Girl: Finding Health and Wellness in Nature. A cargo van conversion story. Chemistry of Coal Conversion Gluten-Free Baking Classics-The Heirloom Collection: 90 New Recipes and Conversion Know-How