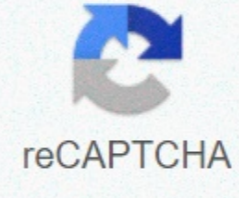




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Data conversion handbook

Title Data Conversion Handbook Authors Walt Kester Publisher: Newnes (December 16, 2004) Hardcover: 976 pages eBook: PDF Language: English ISBN-10: 0750678410 ISBN-13: 978-0750678414 Share this: Book description This book is a one-stop engineering reference. With regard to the basic principles of data converter, techniques, applications and starting with the fundamental theoretical elements needed for a full understanding of data converters, this reference includes the latest developments in this field. It is written for designers who routinely use data converters and related circuits. Consisting of Data Converter History, Fundamentals of Sampled Data Systems, Data Converter Architectures, Data Converter Process Technology, Testing Data Converters, Interfacing to Data Converters, Data Converter Support Circuits, Data Converter Applications and Hardware Design Techniques, it can be the ultimate expression of product augmentation when it comes to data converters. The final chapter discusses practical issues, including common pitfalls and solutions regarding the non-ideal properties of passive components. It describes in depth the theory behind and the practical design of data conversion circuits as well as describing the various architectures used in A/D and D/A converters. Details are provided about the design of fast ADCs, high accuracy DACs and ADCs, and sample-and-hold amplifiers. This reference also covers voltage sources and current reference, noise-forming coding and sigma-delta converters, and much more. The book's more than 900 pages are packed with design information and application circuits, including guidelines for selecting the most suitable converters for certain applications. About the Authors Reviews, Ratings, and Recommendations: Related Book Categories: Read and Download Links: The Data Conversion Handbook (Walt Kester) The Mirror Site (1) - PDF Similar Books: Academia.edu uses cookies to personalize content, tailor ads, and improve the user experience. By using our site you agree to collect information through the use of cookies. For more information, please visit our Privacy Policy. x © 1996-2014, Amazon.com, Inc. or its affiliates The Data Conversion Handbook, Edited by Walt Kester, Newnes, 2005, ISBN 0-7506-7841-0. Also published as Analog-Digital Conversion, Analog Devices, Inc. 2004, ISBN 0-916550-27-3. The Data Conversion Handbook is written for design engineers who routinely use data converters and related circuits. Consisting of Data Converter History, Fundamentals of Sampled Data Systems, Data Converter Architectures, Data Converter Process Technology, Testing Data Interfacing to Data Converters, Data Converter Support Circuits, Data Converter Applications and Hardware Design Techniques, it can be the ultimate expression of product augmentation when it comes to data converters. The final chapter discusses practical practical including common pitfalls and solutions related to the non-ideal properties of passive components. The analog-digital conversion book is downloadable: this comprehensive handbook is a one-stop engineering reference. With regard to the basic principles of data converter, techniques, applications and starting with the fundamental theoretical elements needed for a full understanding of data converters, this reference includes the latest developments in this field. This text describes in depth the theory behind and practical design of data conversion circuits as well as a description of the various architectures used in A/D and D/A converters. Details are provided about the design of fast ADCs, high accuracy DACs and ADCs, and sample-and-hold amplifiers. This reference also covers voltage sources and current reference, noise-forming coding and sigma-delta converters, and much more. The book's more than 900 pages are packed with design information and application circuits, including guidelines for selecting the most suitable converters for certain applications. Here's the latest information on: - Basic data inverters, such as key specifications, noise, sampling and testing - Architectures and processes including SAR, flash, pipelined, folding and more - Practical hardware design techniques for mixed-signal systems, such as controlling ADCs, buffering DAC outputs, sampling clocks, layout, interfacing, support circuits, and tools. - Data converter applications engaged in precision measurement, data acquisition, audio, display, DDS, software radio and more. The accompanying CD-ROM provides software tools for testing and analyzing data converters and a searchable PDF version of the text. * Brings a huge amount of information impossible to find elsewhere. * Many recent developments in converter technology are simply not covered in any other book. * A must-have design reference for any electronics design engineer or technician. * Brings together a huge amount of information that can't be found anywhere else. * Many recent developments in converter technology are simply not covered in any other book. * A must-have design reference for any electronics design engineer or technician. You do not currently have access to this book, but you can buy individual chapters directly from the table of contents or buy the full version. Buy the book

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