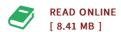# Analog Circuit Design: Low-Power Low-Voltage, Integrated Filters, and Smart Power : 3rd Workshop on Advances in Analogue Circuit Design : Papers (Hardback)

By -

Kluwer Academic Publishers, United States, 1995. Hardback. Book Condition: New. 1995 ed.. 236 x 160 mm. Language: English . Brand New Book ***** Print on Demand *****.The realization of signal sampling and quantization at high sample rates with low power dissipation is an important goal in many applications, includ- ing portable video devices such as camcorders, personal communication devices such as wireless LAN transceivers, in the read channels of magnetic storage devices using digital data detection, and many others. This paper describes architecture and circuit approaches for the design of high-speed, low-power pipeline analog-to-digital converters in CMOS. Here the term high speed is taken to imply sampling rates above 1 Mhz. In the first section the dif- ferent conversion techniques applicable in this range of sample rates is dis- cussed. Following that the particular problems associated with power minimization in video-rate pipeline ADCs is discussed. These include optimi- zation of capacitor sizes, design of low-voltage transmission gates, and opti- mization of switched capacitor gain blocks and operational amplifiers for minimum power dissipation. As an example of the application of these tech- niques, the design of a power-optimized lO-bit pipeline AID converter (ADC) that achieves =1. 67 mW per MS/s of...

READ ONLINE
[8.41 MB]

Reviews

This is the very best book i actually have read till now. It is loaded with knowledge and wisdom I am just easily could get a satisfaction of reading a created ebook.
-- Ena Huel

A top quality publication along with the typeface applied was exciting to read through. It can be rally interesting throgh reading through time. Your life period will be enhance once you full reading this article book.
-- Prof. Demond McClure

Related PDFs

America s Longest War: The United States and Vietnam, 1950-1975

McGraw-Hill Education - Europe, United States, 2013. Paperback. Book Condition: New. 5th. 206 x 137 mm. Language: English . Brand New Book. Respected for its thorough research, comprehensive coverage, and clear, readable style, America s Longest War explores the origins of the...

Noah s Ark Christian Padded Board Book (Hardback)

Shiloh Kidz, United States, 2013. Hardback. Book Condition: New. 173 x 170 mm. Language: English . Brand New Book. Your little ones will love learning the story of Noah with this delightful inspirational board book. Inspired by Genesis 6-9, Noah s Ark...

RCadvisor s Modifly: Design and Build From Scratch Your Own Modern Flying Model Airplane In One Day for Just

Rcadvisor.com, United States, 2009. Paperback. Book Condition: New. 238 x 166 mm. Language: English . Brand New Book ***** Print on Demand *****.Experience firsthand the joys of building and flying your very own model airplane design. Put into practice the lessons from...

Where Is My Mommy?: Children s Book

Createspace, United States, 2013. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.This children s book is wonderfully illustrated. It has an awesome plot to draw the reader into the story. This...

Johnny Goes to First Grade: Bedtime Stories Book for Children s Age 3-10. (Good Night Bedtime Children s Story Book Collection)

Createspace, United States, 2013. Paperback. Book Condition: New. Malgorzata Gudziuk (illustrator). Large Print. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Do you want to ease tension preschoolers have before going to school for the first...

A Reindeer s First Christmas/New Friends for Christmas (Dr. Seuss/Cat in the Hat)

Random House USA Inc, India, 2012. Paperback. Book Condition: New. Joe Mathieu, Aristides Ruiz (illustrator). 198 x 198 mm. Language: English . Brand New Book. Fans of the Cat in the Hat have cause to celebrate this holiday season with two stories...