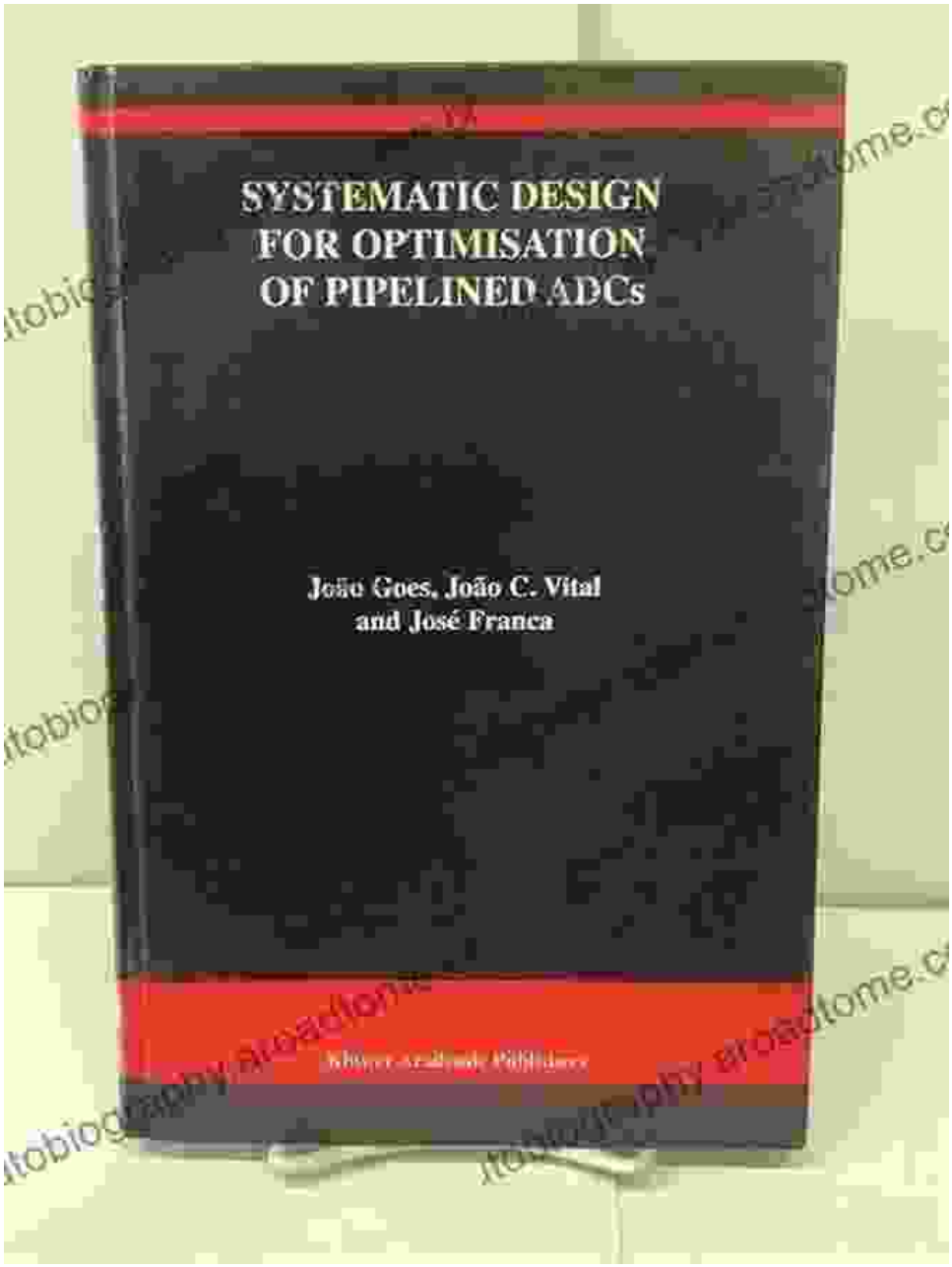
Systematic Design For Optimisation Of Pipelined Adcs - The Springer International



Systematic Design for Optimisation of Pipelined ADCs (The Springer International Series in Engineering and Computer Science Book 607) by João Goes

★★★★★ 5 out of 5

Language	: English
File size	: 3648 KB
Text-to-Speech	: Enabled
Print length	: 160 pages

Empower yourself with the ultimate guide to Systematic Design for Optimization of Pipelined ADCs, brought to you by Springer International.

In today's rapidly evolving technological landscape, high-performance analog and mixed-signal (AMS) design plays a pivotal role in powering a wide range of cutting-edge applications. Among the various AMS circuits, pipelined analog-to-digital converters (ADCs) stand out as fundamental components in modern signal processing systems. They offer exceptional precision, speed, and resolution, making them indispensable for applications such as high-speed data acquisition, medical imaging, and wireless communications.

To harness the full potential of pipelined ADCs, it is critical to master the art of systematic design. This comprehensive book provides a structured and in-depth approach to designing and optimizing these complex circuits, empowering you to achieve unparalleled performance and efficiency.

Unveiling the Secrets of Pipelined ADC Optimization

Authored by renowned experts in the field, this book delves into the intricate details of pipelined ADC design, offering a systematic framework

for optimizing various performance parameters. You will gain a deep understanding of:

- Systematic design methodologies for pipelined ADCs
- Advanced pipelined ADC architectures
- Optimization techniques for latency, power consumption, and noise
- Cutting-edge calibration and testing strategies

With this comprehensive guide at your disposal, you will be equipped to navigate the challenges of pipelined ADC design with confidence and precision.

Key Features and Benefits:

- **Systematic Approach:** A structured methodology for pipelined ADC design, ensuring optimal performance.
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Target Audience:

This book is an invaluable resource for anyone involved in the design and optimization of pipelined ADCs, including:

- Analog and mixed-signal circuit designers
- Signal processing engineers
- Electrical and computer engineering students
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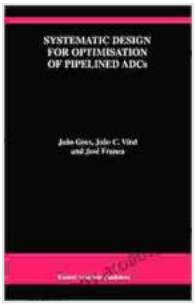

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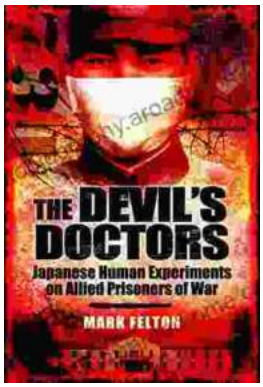

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