Low Energy FPGAs: Architecture and Design

The Springer International Series in Engineering and Computer Science

This book provides a comprehensive overview of low energy FPGAs, covering the latest advances in the field. It is ideal for researchers, students, and professionals interested in the design and application of low energy FPGAs.

Low-Energy FPGAs — Architecture and Design (The Springer International Series in Engineering and Computer Science Book 625) by Varghese George

★★★★★ 5 out of 5

Language	: English
File size	: 16110 KB
Text-to-Speech	: Enabled
Enhanced typesetting	: Enabled
Print length	: 230 pages

The book begins with an to low energy FPGAs and their applications. It then discusses the challenges in designing low energy FPGAs, including power consumption, thermal management, and reliability. The book also presents a variety of techniques for reducing power consumption in FPGAs, including architectural optimizations, circuit optimizations, and power management techniques.

The book concludes with a discussion of the future of low energy FPGAs. It highlights the key trends that are driving the development of low energy FPGAs, and it provides a vision for the future of this important technology.

Key Features:

- Provides a comprehensive overview of low energy FPGAs, covering the latest advances in the field
- Ideal for researchers, students, and professionals interested in the design and application of low energy FPGAs
- Discusses the challenges in designing low energy FPGAs, including power consumption, thermal management, and reliability
- Presents a variety of techniques for reducing power consumption in FPGAs, including architectural optimizations, circuit optimizations, and power management techniques
- Highlights the key trends that are driving the development of low energy FPGAs, and it provides a vision for the future of this important technology

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Dr. Xilinx is a leading provider of FPGAs, SoCs, and software development tools. Xilinx products are used in a wide range of applications, including automotive, communications, computing, consumer electronics, industrial, medical, and military.

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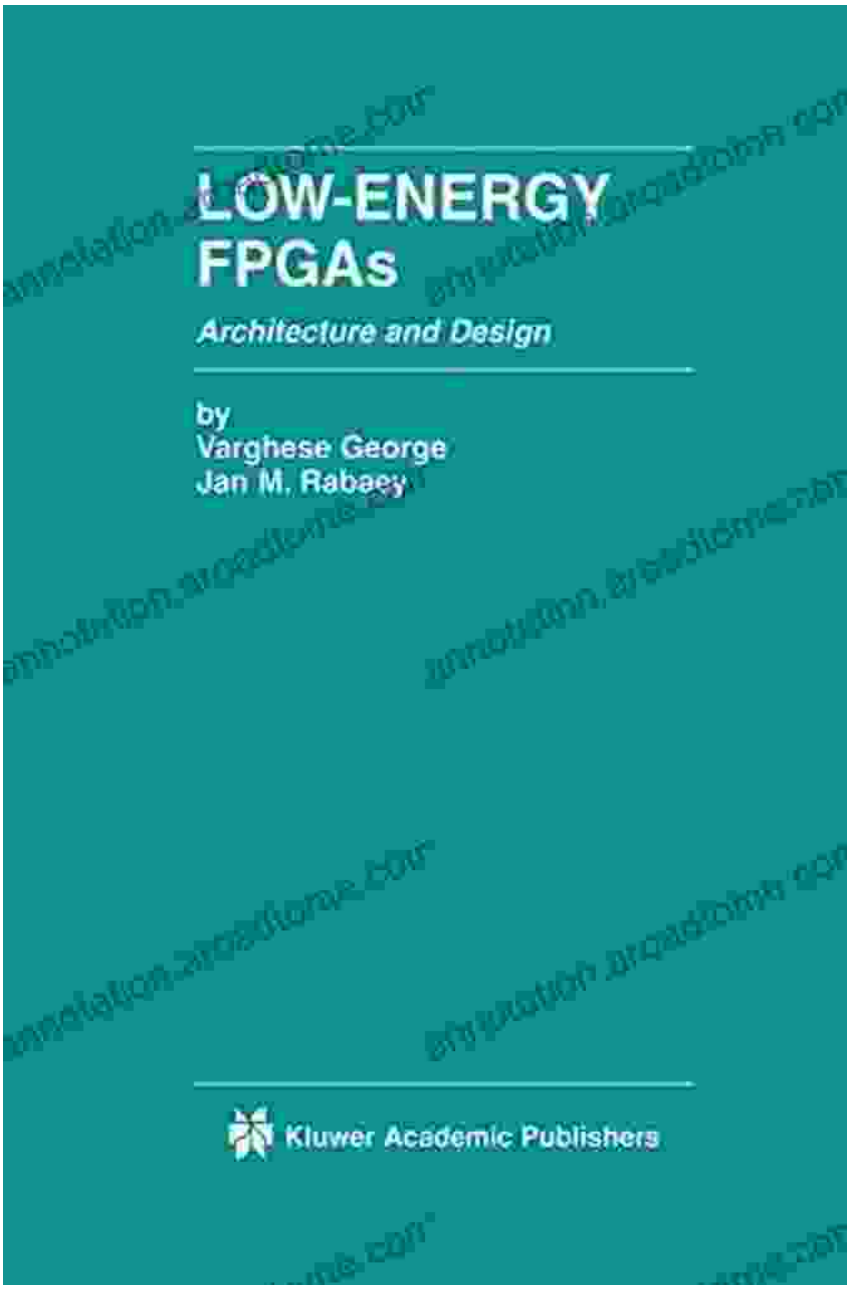

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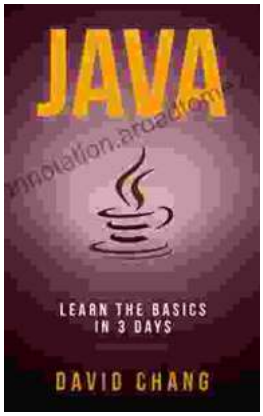

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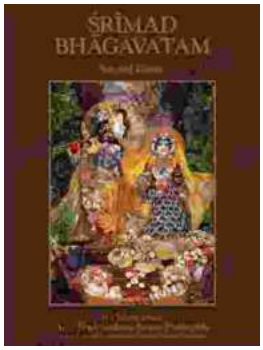

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