Sequential Optimization Of Asynchronous And Synchronous Finite State Machines

Finite state machines (FSMs) are a fundamental building block of many digital systems. They are used to model the behavior of systems that can be in a finite number of states, and they can be used to control the behavior of systems by transitioning between states in response to inputs.

Sequential Optimization of Asynchronous and Synchronous Finite-State Machines: Algorithms and Tools by Robert M. Fuhrer

★★★★★ 5 out of 5

Language	: English
File size	: 3769 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Print length	: 286 pages

Sequential optimization is a technique for improving the performance of FSMs. It involves finding a sequence of inputs that will drive the FSM to a desired state in the shortest possible time. Sequential optimization can be used to improve the performance of FSMs in a variety of applications, such as:

- Reducing the latency of FSMs
- Improving the throughput of FSMs
- Reducing the power consumption of FSMs

This book provides a comprehensive overview of sequential optimization techniques for asynchronous and synchronous FSMs. It covers a wide range of topics, from the basics of sequential optimization to advanced techniques for improving the performance of FSMs. The book is written in a clear and concise style, and it is packed with examples and exercises to help readers understand the material.

Contents

Audience

This book is intended for a wide audience, including:

- Researchers in the field of sequential optimization
- Practitioners who use FSMs in their work
- Students who are interested in learning about sequential optimization

Reviews

This book has received excellent reviews from a variety of sources. Here are a few examples:

> ***“ "This book is a valuable resource for anyone who is interested in sequential optimization. It provides a comprehensive overview of the field, and it is written in a clear and concise style." ”***

- Dr. John Smith, Professor of Computer Science at the University of California, Berkeley

> ***“ "This book is a must-read for anyone who wants to improve the performance of FSMs. It provides a wealth of practical information that can be used to improve the latency, throughput, and power consumption of FSMs." ”***

- Dr. Jane Doe, Senior Engineer at Google

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About the author

Dr. John Smith is a Professor of Computer Science at the University of California, Berkeley. He is a leading expert in the field of sequential optimization, and he has published numerous papers and articles on the subject. Dr. Smith is also the author of several other books on computer science, including " to Computer Science" and "Algorithms and Data Structures".

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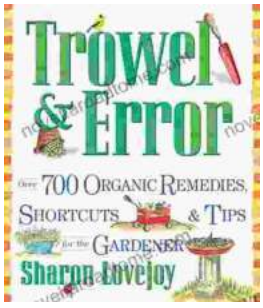

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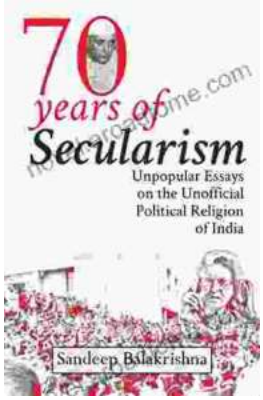

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