Architecture Design for Soft Errors

Shubu Mukherjee

Architecture Design for Soft Errors

Shubu Mukherjee

Architecture Design for Soft Errors Shubu Mukherjee
This book provides a comprehensive description of the architetural techniques to tackle the soft error problem. It covers the new methodologies for quantitative analysis of soft errors as well as novel, cost-effective architectural techniques to mitigate them. To provide readers with a better grasp of the broader problem deffinition and solution space, this book also delves into the physics of soft errors and reviews current circuit and software mitigation techniques.

TABLE OF CONTENTS
Chapter 1: Introduction
Chapter 2: Device- and Circuit-Level Modeling, Measurement, and Mitigation
Chapter 3: Architectural Vulnerability Analysis
Chapter 4: Advanced Architectural Vulnerability Analysis
Chapter 5: Error Coding Techniques
Chapter 6: Fault Detection via Redundant Execution
Chapter 7: Hardware Error Recovery
Chapter 8: Software Detection and Recovery

* Helps readers build-in fault tolerance to the billions of microchips produced each year, all of which are subject to soft errors
* Shows readers how to quantify their soft error reliability
* Provides state-of-the-art techniques to protect against soft errors

⬇ **Download** Architecture Design for Soft Errors ...pdf

📄 **Read Online** Architecture Design for Soft Errors ...pdf

Download and Read Free Online Architecture Design for Soft Errors Shubu Mukherjee

From reader reviews:

Milford Garrett:

What do you think about book? It is just for students because they are still students or that for all people in the world, what the best subject for that? Just simply you can be answered for that query above. Every person has distinct personality and hobby per other. Don't to be compelled someone or something that they don't want do that. You must know how great along with important the book Architecture Design for Soft Errors. All type of book would you see on many resources. You can look for the internet sources or other social media.

Numbers Harless:

The e-book untitled Architecture Design for Soft Errors is the reserve that recommended to you to read. You can see the quality of the guide content that will be shown to anyone. The language that publisher use to explained their way of doing something is easily to understand. The article writer was did a lot of research when write the book, and so the information that they share for your requirements is absolutely accurate. You also can get the e-book of Architecture Design for Soft Errors from the publisher to make you considerably more enjoy free time.

Sandra Lester:

Your reading sixth sense will not betray you, why because this Architecture Design for Soft Errors e-book written by well-known writer who knows well how to make book that can be understand by anyone who also read the book. Written in good manner for you, still dripping wet every ideas and creating skill only for eliminate your own hunger then you still skepticism Architecture Design for Soft Errors as good book not just by the cover but also from the content. This is one reserve that can break don't assess book by its deal with, so do you still needing a different sixth sense to pick that!? Oh come on your looking at sixth sense already alerted you so why you have to listening to a different sixth sense.

Margaret Ochoa:

Reading a guide make you to get more knowledge from it. You can take knowledge and information coming from a book. Book is composed or printed or descriptive from each source which filled update of news. On this modern era like today, many ways to get information are available for anyone. From media social similar to newspaper, magazines, science publication, encyclopedia, reference book, novel and comic. You can add your understanding by that book. Isn't it time to spend your spare time to open your book? Or just in search of the Architecture Design for Soft Errors when you needed it?

Download and Read Online Architecture Design for Soft Errors Shubu Mukherjee #4TXR5GFLDAZ

Read Architecture Design for Soft Errors by Shubu Mukherjee for online ebook

Architecture Design for Soft Errors by Shubu Mukherjee Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Architecture Design for Soft Errors by Shubu Mukherjee books to read online.

Online Architecture Design for Soft Errors by Shubu Mukherjee ebook PDF download

Architecture Design for Soft Errors by Shubu Mukherjee Doc

Architecture Design for Soft Errors by Shubu Mukherjee Mobipocket

Architecture Design for Soft Errors by Shubu Mukherjee EPub