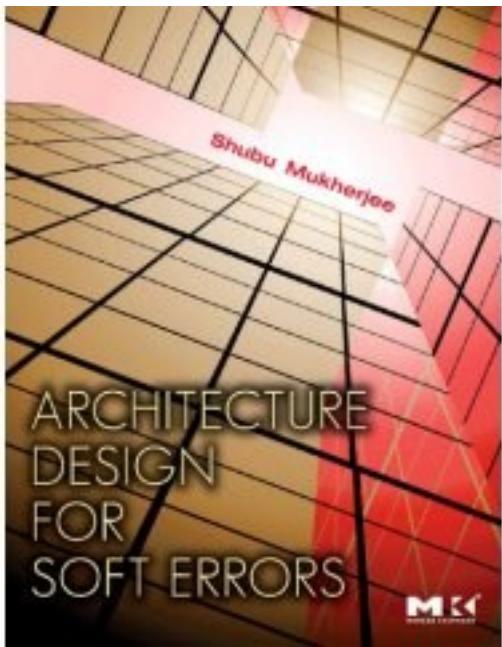


# Architecture Design for Soft Errors



[Architecture Design for Soft Errors 下载链接1](#)

著者:Shubu Mukherjee

出版者:

出版时间:2008

装帧:

isbn:9780123695291

在线阅读本书

This book provides a comprehensive description of the architectural 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 definition 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

\* Provides the methodologies necessary to quantify the effect of radiation-induced soft errors as well as state-of-the-art techniques to protect against them

作者介绍:

目录:

[Architecture Design for Soft Errors 下载链接1](#)

标签

architecture

VLSI

OS

评论

处理器 纠错 容错 软错误

---

[Architecture Design for Soft Errors 下载链接1](#)

书评

[Architecture Design for Soft Errors](#) [下载链接1](#)