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Nota di contenuto	Contents ; Foreword by Dennis V. Lindley ; Foreword by Asit P. Basu ; Preface ; Acknowledgements ; PART 1 SYSTEM RELIABILITY ANALYSIS ; Chapter 1 ON REGULAR RELIABILITY MODELS ; 1. Introduction ; 2. F Reliability Models and G Reliability Models 3. Efficient Reliability Algorithms for Regular Models 4. Applications ; 5. Further Research ; References ; Chapter 2 BOUNDING SYSTEM RELIABILITY ; 1. Introduction ; 2. Using the Conditional Expectation Inequality to Bound the Reliability Function 3. Bounds When Component States Are Dependent 4. Summary ; Acknowledgements ; References

; Chapter 3 LARGE EXCESSES FOR FINITE-STATE MARKOV CHAINS
 ; 1. Summary ; 2. The Rate ; 3. Example
 ; References ; Chapter 4 HARDWARE-SOFTWARE RELIABILITY
 PERSPECTIVES ; 1. Introduction
 2. Software Development Process 3. Software
 Reliability Modeling ; 4. Generalized Models
 with Environmental Factors ; 5.
 Hardware & Software Systems ; 6. Cost Modeling
 ; 7. Further Reading ; Acknowledgements
 ; References
 Chapter 5 INSPECTION-AGE-REPLACEMENT POLICY AND SYSTEM
 AVAILABILITY 1.
 Introduction ; 2. Model and Preliminary Results
 ; 3. Optimal Inspection Policy ; 4. Estimation of
 Optimal Inspection Policy ; 5. Possible
 Model Extension ; References
 Chapter 6 BEHAVIOR OF FAILURE RATES OF MIXTURES AND SYSTEMS

Sommario/riassunto

This volume is a collection of articles on reliability systems and Bayesian reliability analysis. Written by reputable researchers, the articles are self-contained and are linked with literature reviews and new research ideas. The book is dedicated to Emeritus Professor Richard E Barlow, who is well known for his pioneering research on reliability theory and Bayesian reliability analysis.
Contents:

- System Reliability Analysis:*
- On Regular Reliability Models (J-C Chang et al.)*
- Bounding System Reliability (J N Hagstrom & S M Ross)*