



System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics)

By Marvin Rausand, Arnljot Høyland

Download now

Read Online ➔

System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) By Marvin Rausand, Arnljot Høyland

A thoroughly updated and revised look at system reliability theory

Since the first edition of this popular text was published nearly a decade ago, new standards have changed the focus of reliability engineering and introduced new concepts and terminology not previously addressed in the engineering literature. Consequently, the Second Edition of System Reliability Theory: Models, Statistical Methods, and Applications has been thoroughly rewritten and updated to meet current standards.

To maximize its value as a pedagogical tool, the Second Edition features:

- Additional chapters on reliability of maintained systems and reliability assessment of safety-critical systems
- Discussion of basic assessment methods for operational availability and production regularity
- New concepts and terminology not covered in the first edition
- Revised sequencing of chapters for better pedagogical structure
- New problems, examples, and cases for a more applied focus
- An accompanying Web site with solutions, overheads, and supplementary information

With its updated practical focus, incorporation of industry feedback, and many new examples based on real industry problems and data, the Second Edition of this important text should prove to be more useful than ever for students, instructors, and researchers alike.

 [Download System Reliability Theory: Models, Statistical Met ...pdf](#)

 [Read Online System Reliability Theory: Models, Statistical M ...pdf](#)

System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics)

By Marvin Rausand, Arnljot Høyland

System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) By Marvin Rausand, Arnljot Høyland

A thoroughly updated and revised look at system reliability theory

Since the first edition of this popular text was published nearly a decade ago, new standards have changed the focus of reliability engineering and introduced new concepts and terminology not previously addressed in the engineering literature. Consequently, the Second Edition of System Reliability Theory: Models, Statistical Methods, and Applications has been thoroughly rewritten and updated to meet current standards.

To maximize its value as a pedagogical tool, the Second Edition features:

- Additional chapters on reliability of maintained systems and reliability assessment of safety-critical systems
- Discussion of basic assessment methods for operational availability and production regularity
- New concepts and terminology not covered in the first edition
- Revised sequencing of chapters for better pedagogical structure
- New problems, examples, and cases for a more applied focus
- An accompanying Web site with solutions, overheads, and supplementary information

With its updated practical focus, incorporation of industry feedback, and many new examples based on real industry problems and data, the Second Edition of this important text should prove to be more useful than ever for students, instructors, and researchers alike.

System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) By Marvin Rausand, Arnljot Høyland Bibliography

- Sales Rank: #970329 in Books
- Published on: 2003-12-05
- Original language: English
- Number of items: 1
- Dimensions: 9.40" h x 1.50" w x 6.20" l, 2.28 pounds
- Binding: Hardcover
- 664 pages

 [Download System Reliability Theory: Models, Statistical Met ...pdf](#)

 [Read Online System Reliability Theory: Models, Statistical M ...pdf](#)

Download and Read Free Online System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) By Marvin Rausand, Arnljot Høyland

Editorial Review

Review

"Students will like this well-written book, and statisticians with interest in distribution theory will find it thought provoking." (*Journal of Statistical Computation and Simulation*, June 2005)

"The second edition has been thoroughly rewritten and updated to meet current standards." (*Zentralblatt Math*, Vol.1052, No.3, 2005)

"The authors have done a good job creating a rich resource for a wide variety of readers interested in this important area of research." (*Journal of the American Statistical Association*, December 2004)

"If you like and own the 1E, I expect that you would want to purchase this second edition. Overall, it is 20% larger and considerably enhanced with new material and new topics." (*Technometrics*, November 2004)

"...a useful reference and handbook for both industrial statisticians and system reliability engineers. It can be used as a text for senior undergraduate and graduate students..." (*Mathematical Reviews*, 2004k)

"...perfect for engineers in design, process and quality to help build a more robust product or process." (*Quality Progress*, October 2004)

"...provides a comprehensive treatment of system reliability theory" (*Short Book Reviews*, August 2004)

From the Back Cover

A thoroughly updated and revised look at system reliability theory

Since the first edition of this popular text was published nearly a decade ago, new standards have changed the focus of reliability engineering and introduced new concepts and terminology not previously addressed in the engineering literature. Consequently, the Second Edition of *System Reliability Theory: Models, Statistical Methods, and Applications* has been thoroughly rewritten and updated to meet current standards.

To maximize its value as a pedagogical tool, the Second Edition features:

- Additional chapters on reliability of maintained systems and reliability assessment of safety-critical systems
- Discussion of basic assessment methods for operational availability and production regularity
- New concepts and terminology not covered in the first edition
- Revised sequencing of chapters for better pedagogical structure
- New problems, examples, and cases for a more applied focus
- An accompanying Web site with solutions, overheads, and supplementary information

With its updated practical focus, incorporation of industry feedback, and many new examples based on real industry problems and data, the Second Edition of this important text should prove to be more useful than ever for students, instructors, and researchers alike.

About the Author

MARVIN RAUSAND is a Professor in the Department of Production and Quality Engineering at the Norwegian University of Science and Technology.

The late **ARNLJOT HØYLAND, PhD**, was a Professor in the Department of Mathematical Sciences at the Norwegian University of Science and Technology. Dr. Høyland died in December 2002 at the age of 78.

Users Review

From reader reviews:

Shawn Macdonald:

Have you spare time for a day? What do you do when you have far more or little spare time? That's why, you can choose the suitable activity regarding spend your time. Any person spent their very own spare time to take a move, shopping, or went to often the Mall. How about open as well as read a book allowed System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics)? Maybe it is being best activity for you. You recognize beside you can spend your time using your favorite's book, you can better than before. Do you agree with it has the opinion or you have different opinion?

Angela Drew:

Now a day folks who Living in the era where everything reachable by connect to the internet and the resources inside can be true or not require people to be aware of each facts they get. How people have to be smart in receiving any information nowadays? Of course the answer is reading a book. Reading through a book can help persons out of this uncertainty Information specially this System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) book as this book offers you rich data and knowledge. Of course the knowledge in this book hundred per cent guarantees there is no doubt in it everybody knows.

Paul Blecha:

Nowadays reading books be than want or need but also turn into a life style. This reading behavior give you lot of advantages. Advantages you got of course the knowledge your information inside the book this improve your knowledge and information. The details you get based on what kind of guide you read, if you want attract knowledge just go with education books but if you want feel happy read one together with theme for entertaining like comic or novel. The System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) is kind of book which is giving the reader unforeseen experience.

Katherine Ouellette:

Reading a book to be new life style in this 12 months; every people loves to examine a book. When you learn a book you can get a large amount of benefit. When you read books, you can improve your knowledge,

due to the fact book has a lot of information upon it. The information that you will get depend on what forms of book that you have read. If you want to get information about your review, you can read education books, but if you act like you want to entertain yourself you are able to a fiction books, these kinds of us novel, comics, in addition to soon. The System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) provide you with a new experience in studying a book.

**Download and Read Online System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) By Marvin Rausand, Arnljot Høyland
#0QAJM3WGI8Z**

Read System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) By Marvin Rausand, Arnljot Høyland for online ebook

System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) By Marvin Rausand, Arnljot Høyland Free PDF download, 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 System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) By Marvin Rausand, Arnljot Høyland books to read online.

Online System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) By Marvin Rausand, Arnljot Høyland ebook PDF download

System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) By Marvin Rausand, Arnljot Høyland Doc

System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) By Marvin Rausand, Arnljot Høyland Mobipocket

System Reliability Theory: Models, Statistical Methods, and Applications, 2nd Edition (Wiley Series in Probability and Statistics) By Marvin Rausand, Arnljot Høyland EPub