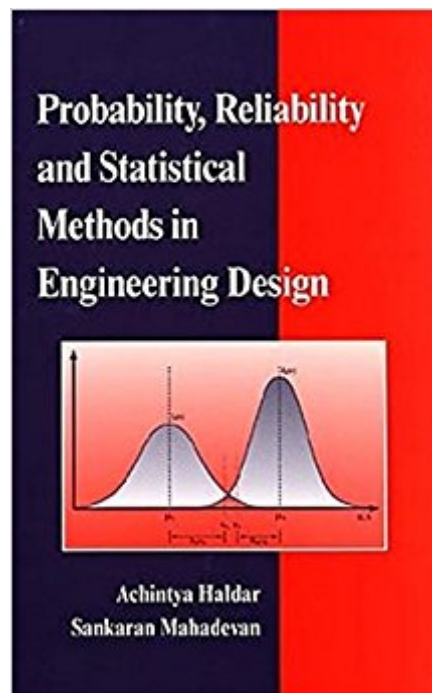




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# Probability, Reliability, And Statistical Methods In Engineering Design



## Synopsis

Learn the tools to assess product reliability! Haldar and Mahadevan crystallize the research and experience of the last few decades into the most up-to-date book on risk-based design concepts in engineering available. The fundamentals of reliability and statistics necessary for risk-based engineering analysis and design are clearly presented. And with the help of many practical examples integrated throughout the text, the material is made very relevant to today's practice. Key Features \* Covers all the fundamental concepts and mathematical skills needed to conduct reliability assessments. \* Presents the most widely-used reliability assessment methods. \* Concepts that are required for the implementation of risk-based design in practical problems are developed gradually. \* Both risk-based and deterministic design concepts are included to show the transition from traditional to modern design practice.

## Book Information

Hardcover: 320 pages

Publisher: Wiley; 1 edition (November 1, 1999)

Language: English

ISBN-10: 0471331198

ISBN-13: 978-0471331193

Product Dimensions: 6.3 x 0.7 x 9.6 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: 4.1 out of 5 stars 11 customer reviews

Best Sellers Rank: #209,690 in Books (See Top 100 in Books) #30 in Books > Engineering & Transportation > Engineering > Design #104 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Structural #218 in Books > Textbooks > Engineering > Civil Engineering

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Learn the tools to assess product reliability! Haldar and Mahadevan crystallize the research and experience of the last few decades into the most up-to-date book on risk-based design concepts in engineering available. The fundamentals of reliability and statistics necessary for risk-based engineering analysis and design are clearly presented. And with the help of many practical examples integrated throughout the text, the material is made very relevant to today's practice. Key Features \* Covers all the fundamental concepts and mathematical skills needed to conduct reliability assessments. \* Presents the most widely-used reliability assessment methods. \* Concepts

that are required for the implementation of risk-based design in practical problems are developed gradually. \* Both risk-based and deterministic design concepts are included to show the transition from traditional to modern design practice.

I am taking his classes, so I bought this book. The book is written in very simple way. I think that anyone might be able to understand the all concepts Mr. Haldar is introducing in this book. I would definitely recommend this book, if you are required to purchase on by the course, or doing researches that are based on the concepts from this book

Expensive to buy. Does not contain everything, like more advanced topics of reliability design, such as Monte Carlo, Fault Tree, Structural Reliability etc etc. Has good amount of examples.

Great book, especially if you're getting started in Probabilistic Analysis.

The book in general is good but I think it is expensive.

buen libro

Great explanations for the theories behind reliability methods used within research for engineering design today. I have used the book almost religiously in my studies.

Excellent text with an abundance of practical examples which demonstrate and apply the material of the text. Very interesting and concise.

The book contents contain simply too much material in too short of a book. Every other explanation of formulas causes more confusion rather than simplistic explanation. It should definitely be broken down and expanded into a longer more simplistic text form.

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