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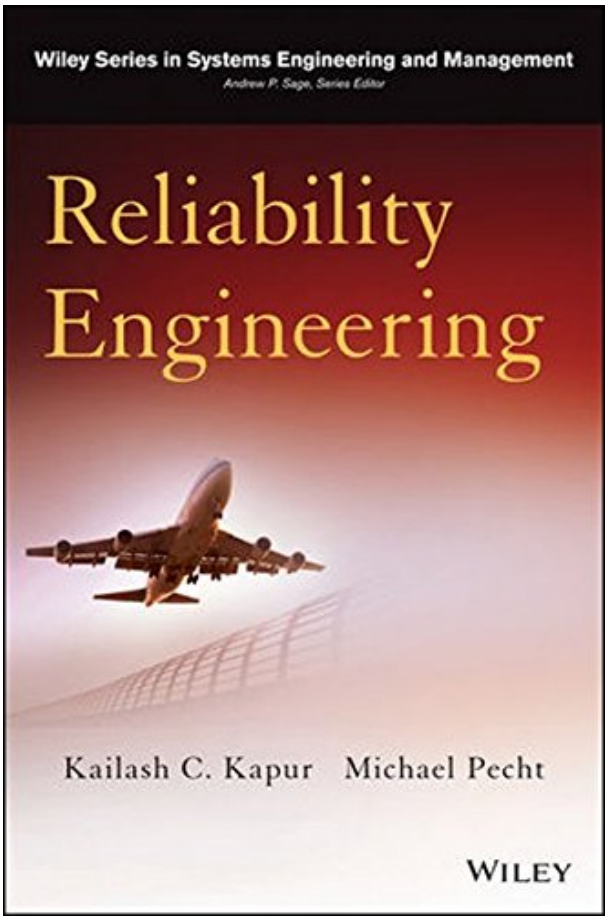

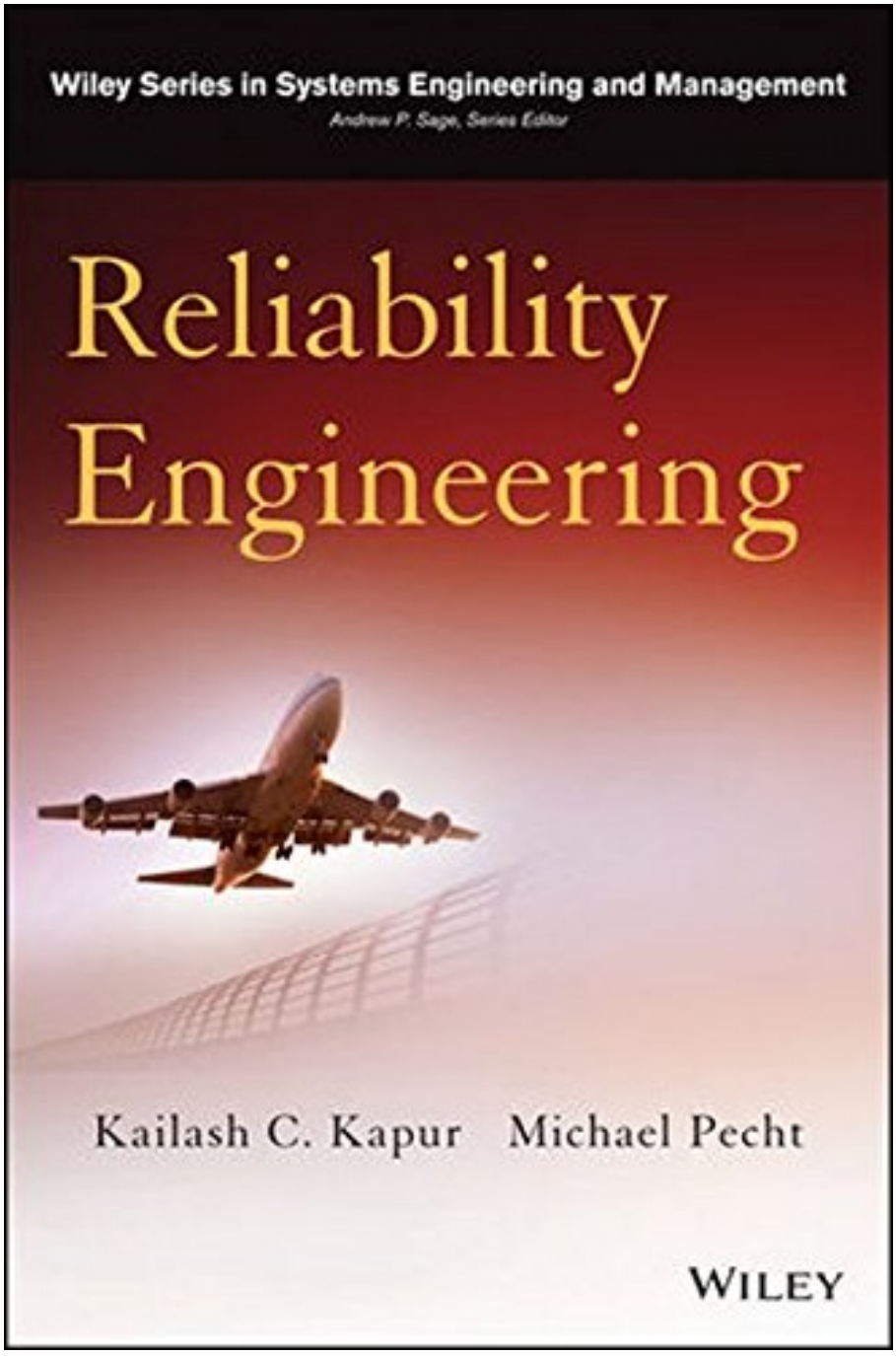

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From the Back Cover

An Integrated Approach to Product Development

Reliability Engineering presents an integrated approach to the design, engineering, and management of reliability activities throughout the life cycle of a product, including concept, research and development, design, manufacturing, assembly, sales, and service. Containing illustrative guides that include worked problems, numerical examples, homework problems, a solutions manual, and class-tested materials, it demonstrates to product development and manufacturing professionals how to distribute key reliability practices throughout an organization.

The authors explain how to integrate reliability methods and techniques in the Six Sigma process and Design for Six Sigma (DFSS). They also discuss relationships between warranty and reliability, as well as legal and liability issues. Other topics covered include:

- Reliability engineering in the 21st Century
- Probability life distributions for reliability analysis
- Process control and process capability
- Failure modes, mechanisms, and effects analysis
- Health monitoring and prognostics
- Reliability tests and reliability estimation

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About the Author

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- Sales Rank: #1122591 in Books
- Published on: 2014-04-28
- Original language: English
- Number of items: 1
- Dimensions: 10.30" h x 1.21" w x 7.35" l, .0 pounds
- Binding: Hardcover
- 512 pages

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based upon some studies. The failure analysis section covers No Fault Found and provides a process that helps direct where resources should be applied to make faults more detectable. This is a worthwhile addition to your reliability library and can communicate to those responsible to lead and define the vision for a reliability organization.

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