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By Kailash C. Kapur, Michael Pecht



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- 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

Reliability Engineering provides a comprehensive list of references on the topics covered in each chapter. It is an invaluable resource for those interested in gaining fundamental knowledge of the practical aspects of reliability in design, manufacturing, and testing. In addition, it is useful for implementation and management of reliability programs.



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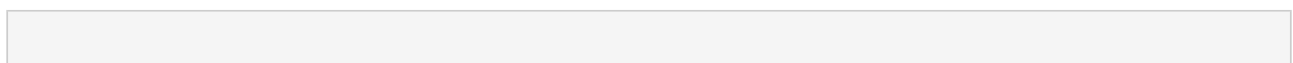
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- Sales Rank: #1330980 in Books
- Published on: 2014-04-28
- Original language: English
- Number of items: 1
- Dimensions: 10.10" h x 1.20" w x 7.00" l, .0 pounds
- Binding: Hardcover
- 512 pages



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Editorial Review

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KAILASH KAPUR, PhD, is a Professor of Industrial & Systems Engineering at the University of Washington, where he was also the Director from 1993 to 1999. Dr. Kapur has worked with General Motors Research Laboratories as a senior research engineer, Ford Motor Company as a visiting scholar, and the U.S. Army, Tank-Automotive Command as a reliability engineer. He is a Fellow of ASQ and IIE, and a registered professional engineer.

MICHAEL PECHT, PhD, is the founder of CALCE (Center for Advanced Life Cycle Engineering) at the University of Maryland, which is funded by over 150 of the world's leading electronics companies. He is also a Chair Professor in Mechanical Engineering and a Professor in Applied Mathematics at the University of Maryland. He consults for twenty-two major international electronics companies.

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