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Descrizione fisica	1 online resource (604 p.)
Collana	De Gruyter Textbook
Classificazione	SK 800
Disciplina	519.2
Soggetti	Engineering - Statistical methods Probabilities Modellbildung Statistik Versuchsplanung Wahrscheinlichkeitsrechnung Wahrscheinlichkeitstheorie MATHEMATICS / Probability & Statistics / General Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di contenuto	Frontmatter -- Introduction / Mathai, A. M. / Haubold, Hans J. -- Preface / Mathai, A. M. / Haubold, Hans J. -- Acknowledgement -- Contents -- List of Tables -- List of Symbols -- 1. Random phenomena -- 2. Probability -- 3. Random variables -- 4. Expected values -- 5. Commonly used discrete distributions -- 6. Commonly used density functions -- 7. Joint distributions -- 8. Some multivariate distributions -- 9. Collection of random variables -- 10. Sampling distributions -- 11. Estimation -- 12. Interval estimation -- 13. Tests of statistical hypotheses -- 14. Model building and regression -- 15. Design of experiments and analysis of variance -- 16. Questions and answers -- Tables of percentage points -- References -- Index
Sommario/riassunto	This book offers an introduction to concepts of probability theory, probability distributions relevant in the applied sciences, as well as

basics of sampling distributions, estimation and hypothesis testing. As a companion for classes for engineers and scientists, the book also covers applied topics such as model building and experiment design.

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