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| Autore | Mathai Arak M. |
| Titolo | Probability and Statistics : A Course for Physicists and Engineers // Arak M. Mathai, Hans J. Haubold |
| Pubbl/distr/stampa | Berlin ; ; Boston : , : De Gruyter, , [2017] ©2018 |
| 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 |
| Livello bibliografico | Monografia |
| 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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