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| Autore                  | Nelson Wayne <1936->                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Titolo                  | Accelerated testing [[electronic resource] ] : statistical models, test plans and data analysis / / Wayne Nelson                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Pubbl/distr/stampa      | New York, : Wiley, c1990                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
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| Descrizione fisica      | 1 online resource (xiv, 601 p. ) : ill                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Collana                 | Wiley series in probability and mathematical statistics. Applied probability and statistics                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Disciplina              | 519.5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Soggetti                | Failure time data analysis<br>Reliability (Engineering) - Statistical methods<br>Accelerated life testing - Statistical methods                                                                                                                                                                                                                                                                                                                                                                                                       |
| Lingua di pubblicazione | Inglese                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Formato                 | Materiale a stampa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Livello bibliografico   | Monografia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Note generali           | Originally published: 1990.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Nota di bibliografia    | Includes bibliographical references and index.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Nota di contenuto       | Preface. 1. Introduction and Background. 2. Models for Life Tests with Constant Stress. 3. Graphical Data Analysis. 4. Complete Data and Least Squares Analyses. 5. Censored Data and Maximum Likelihood Methods. 6. Test Plans. 7. Competing Failure Modes and Size Effect. 8. Least-Squares Comparisons for Complete Data. 9. Maximum Likelihood Comparisons for Censored and Other Data. 10. Models and Data Analyses for Step and Varying Stress. 11. Accelerated Degradation. Appendix A. Statistical Tables. References. Index. |
| Sommario/riassunto      | Useful methodology has been developed in accelerated testing. This work deals with the topic Accelerated Testing: Statistical Models, Test Plans, and Data Analyses. It is useful for practitioners.                                                                                                                                                                                                                                                                                                                                  |