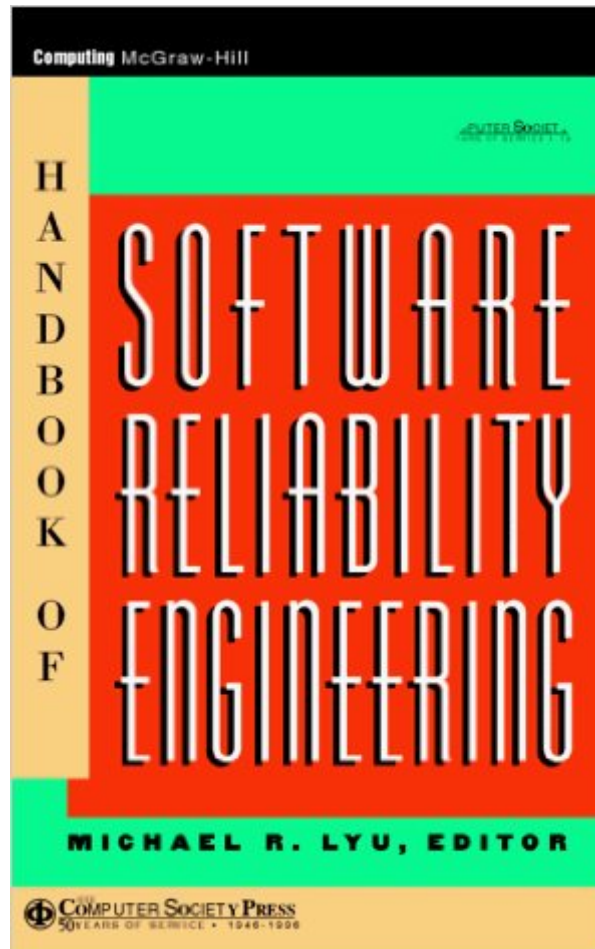


The book was found

# Handbook Of Software Reliability Engineering



## Synopsis

Software reliability engineering is the statistical study of how well software systems satisfy user requirements on user premises, and for how long. This book compiles data, analysis and case studies, and is accompanied by a disk which contains software tools and a software failure data repository.

## Book Information

Hardcover: 850 pages

Publisher: Mcgraw-Hill (Tx) (April 1996)

Language: English

ISBN-10: 0070394008

ISBN-13: 978-0070394001

Product Dimensions: 1.8 x 6.2 x 9.2 inches

Shipping Weight: 2.8 pounds

Average Customer Review: 5.0 out of 5 starsÂ Â See all reviewsÂ (3 customer reviews)

Best Sellers Rank: #1,366,796 in Books (See Top 100 in Books) #32 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Quality Control #3679 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Software Development #24842 inÂ Books > Science & Math > Mathematics

## Customer Reviews

This is an excellent technical book that should be a standard reference for anyone working in the field of S/W QA/Reliability. The work assumes a mathematical background at the upper division/graduate level. The section on orthogonal defect classification is especially good. This is an essential work for anyone compiling metrics for gauging how well a S/W development effort is progressing. Software is supplied for performing one's own analyses. Meaty stuff for the serious S/W QA engineer! Well done.

Professor Lyu defines, catalogs, explains, and demonstrates concepts and models for reliability. If you're trying to answer questions like "based on historical data, when is the next expected failure," or "what model best predicts my software's reliability," or "when will the software be stable" then you need this book. True to its name, it is a handbook, so you can jump around and cross reference, but you can also read it like a book. Note, however, that there is some fairly heavy statistical math. Don't let all the greek letters scare you. It's all explained, and it has a fantastic appendix that covers all

you need to know concerning statistics to use the book without the mumbo-jumbo. To complete your collection, go to the web and obtain a copy of SMERFS<sup>3</sup>, which is a software package developed by Dr. William Farr that does all the modeling math for you. Additionally, check out the book Software Reliability by Musa/Iannio/Okumoto (0-07-044093-X). These two things, together with this book will equip you for just about anything you need to measure.

A classic for those who know little to nothing about software reliability, and how to engineer it in. It's more than just "testing the hell" out of a program. You really need to design reliability and safety into your code and its design documents. This book is an excellent survey of the classical methods on just how to do that. The bonus cd has many tools and methods to make this job more straightforward for the practitioner. Highly recommended.....great seller, great book, quick delivery, superb condition. A keeper....

[Download to continue reading...](#)

Handbook of Software Reliability Engineering Software Reliability Engineering Software Assessment: Reliability, Safety, Testability (New Dimensions In Engineering Series) Non-Functional Requirements in Software Engineering (International Series in Software Engineering) Software Engineering Classics: Software Project Survival Guide/ Debugging the Development Process/ Dynamics of Software Development (Programming/General) Global Software Development Handbook (Applied Software Engineering Series) Axiomatic Quality: Integrating Axiomatic Design with Six-Sigma, Reliability, and Quality Engineering Site Reliability Engineering: How Google Runs Production Systems Software Reliability Methods (Texts in Computer Science) Software Safety and Reliability: Techniques, Approaches, and Standards of Key Industrial Sectors Software Reliability and Metrics Software Components With Ada: Structures, Tools, and Subsystems (The Benjamin/Cummings Series in Ada and Software Engineering) Software Failure: Management Failure: Amazing Stories and Cautionary Tales (Wiley Series in Software Engineering Practice) Error-Free Software: Know-How and Know-Why of Program Correctness (Wiley Series in Software Engineering Practice) Constraint-Based Design Recovery for Software Reengineering: Theory and Experiments (International Series in Software Engineering) Re-Engineering Software: How to Re-Use Programming to Build New, State-of-the-Art Software Software Architecture in Practice (3rd Edition) (SEI Series in Software Engineering) Practical Software Reuse (Wiley Series in Software Engineering Practice) Object-oriented software development: Engineering software for reuse Software Reuse: Guidelines and Methods (Software Science and Engineering)

[Dmca](#)