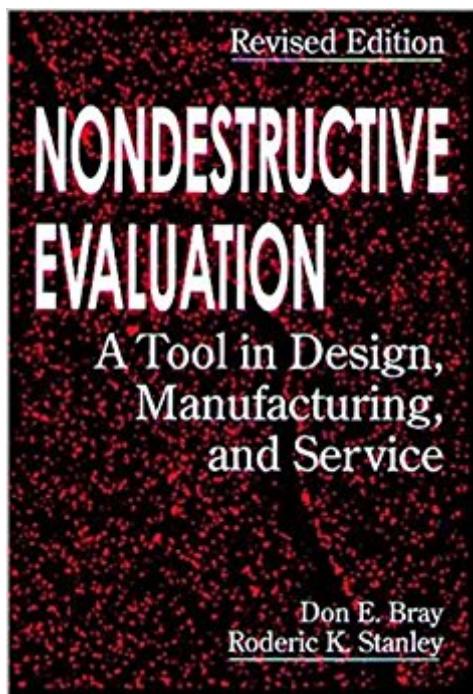


The book was found

Nondestructive Evaluation: A Tool In Design, Manufacturing And Service



Synopsis

Nondestructive evaluation (NDE) inspection schemes are important in design, manufacturing, and maintenance. By correctly applying techniques of NDE, we can reduce machine and system failures and increase reliability of operating systems over an extended lifetime. Nondestructive Evaluation: A Tool in Design, Manufacturing, and Service introduces and discusses primary techniques used in the field, including ultrasonics, acoustic emission, magnetics, radiography, penetrants, and eddy currents. Examples of each of these techniques are included, demonstrating typical applications.

Book Information

Hardcover: 608 pages

Publisher: CRC Press; 1 edition (December 12, 1996)

Language: English

ISBN-10: 0849326559

ISBN-13: 978-0849326554

Product Dimensions: 1.2 x 7.2 x 10.2 inches

Shipping Weight: 2.8 pounds (View shipping rates and policies)

Average Customer Review: 3.4 out of 5 stars 2 customer reviews

Best Sellers Rank: #340,991 in Books (See Top 100 in Books) #16 in Books > Engineering & Transportation > Engineering > Materials & Material Science > Testing #53 in Books > Science & Math > Physics > Nanostructures #83 in Books > Engineering & Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Quality Control

Customer Reviews

Very informative on NDE and NDT methods, but a new edition should be released, there are many occurrences on where they repeat a sentence or even an entire paragraph word for word. I will say if you want to learn about NDE and NDT get this book, I purchased it for \$40 and is well worth it, I would probably have purchased the book even if I was not taking a NDE class. Additionally, the book is easy reading besides the annoying mistakes mentioned.

The work's field is nondestructive evaluation (NDE). NDE contains the instruments which engineers use to detect flaws in structures which function under mechanical stress. The work starts off well enough. However, in Chapter 2 it ventures into one's motivation for using NDE. Here, the work founders. Why would one use NDE? Because, the authors suggest, a sufficiently small false negative error probability reduces the inspected structure's probability of collapse. However, to state

the issue this way is to ignore one-half of the requirements of the user of any diagnostic instrument. The full requirement is for sufficiently small false positive and false negative error probabilities. However, the reader who searches the literature of NDE for knowledge of the two probabilities will search in vein. This can be said with confidence, for a recent paper demonstrates that NDE violates an axiom of probability theory in relationship to the two probabilities (see "Erratic Measure" (in NDE in the Energy Industry 1995, pp. 1-6. The American Society of Mechanical Engineers, New York, NY).

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

Nondestructive Evaluation: A Tool in Design, Manufacturing and Service Fundamentals of Structural Integrity: Damage Tolerant Design and Nondestructive Evaluation Hand Tool Essentials: Refine Your Power Tool Projects with Hand Tool Techniques (Popular Woodworking) The Food Service Professional Guide to Controlling Restaurant & Food Service Operating Costs (The Food Service Professional Guide to, 5) (The Food Service Professionals Guide To) Food Service Menus: Pricing and Managing the Food Service Menu for Maximum Profit (The Food Service Professional Guide to Series 13) Civil Service Exam Secrets Study Guide: Civil Service Test Review for the Civil Service Examination (Mometrix Secrets Study Guides) Start Your Own Senior Services Business: Adult Day-Care, Relocation Service, Home-Care, Transportation Service, Concierge, Travel Service (StartUp Series) Additive Manufacturing Technologies: 3D Printing, Rapid Prototyping, and Direct Digital Manufacturing Supply Chain Management in Manufacturing + Inventory Control in Manufacturing: 2 Books in 1 ISO 22716:2007, Cosmetics - Good Manufacturing Practices (GMP) - Guidelines on Good Manufacturing Practices Introduction to Nondestructive Testing: A Training Guide Nondestructive Testing: Radiography, Ultrasonics, Liquid Penetrant, Magnetic Particle, Eddy Current (#06390G) Tax Process: Internal Controls: An Evaluation Tool to Achieve Compliance Graphic Design Success: Over 100 Tips for Beginners in Graphic Design: Graphic Design Basics for Beginners, Save Time and Jump Start Your Success (graphic ... graphic design beginner, design skills) PPE Preparticipation Physical Evaluation (AAP, PPE- Preparticipation Physical Evaluation) Effective Grant Writing and Program Evaluation for Human Service Professionals Training Your Own Service Dog Book 2: Training Psychiatric Service Dogs - PTSD, Anxiety Disorders, and Depression MP Service Management with Service Model Software Access Card (McGraw-Hill/Irwin Series Operations and Decision Sciences) How to contact customer service by phone and website -: (customer service phone, Screenshots included for website! BONUS AT THE END) The Kid's Guide to Service Projects: Over 500 Service Ideas for Young People Who Want to Make a Difference

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)