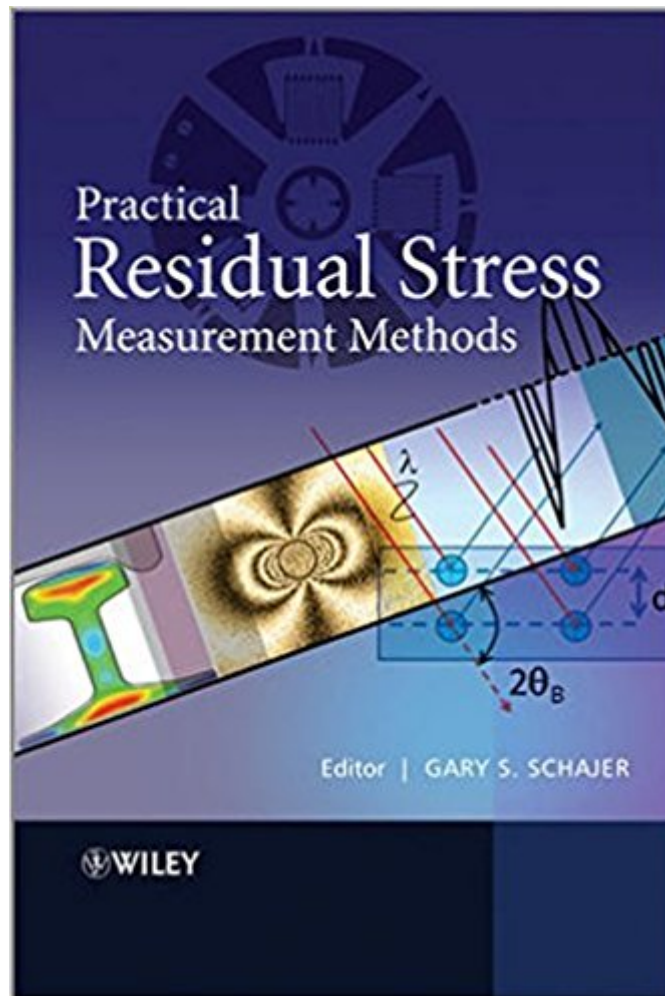




Ebook Directory
the best source of ebook

The book was found

Practical Residual Stress Measurement Methods



Synopsis

An introductory and intermediate level handbook written in pragmatic style to explain residual stresses and to provide straightforward guidance about practical measurement methods. Residual stresses play major roles in engineering structures, with highly beneficial effects when designed well, and catastrophic effects when ignored. With ever-increasing concern for product performance and reliability, there is an urgent need for a renewed assessment of traditional and modern measurement techniques. Success critically depends on being able to make the most practical and effective choice of measurement method for a given application. Practical Residual Stress Measurement Methods provides the reader with the information needed to understand key residual stress concepts and to make informed technical decisions about optimal choice of measurement technique. Each chapter, written by invited specialists, follows a focused and pragmatic format, with subsections describing the measurement principle, residual stress evaluation, practical measurement procedures, example applications, references and further reading. The chapter authors represent both international academia and industry. Each of them brings to their writing substantial hands-on experience and expertise in their chosen field. Fully illustrated throughout, the book provides a much-needed practical approach to residual stress measurements. The material presented is essential reading for industrial practitioners, academic researchers and interested students. Key features:

- Presents an overview of the principal residual stress measurement methods, both destructive and non-destructive, with coverage of new techniques and modern enhancements of established techniques
- Includes stand-alone chapters, each with its own figures, tables and list of references, and written by an invited team of international specialists

Book Information

Hardcover: 328 pages

Publisher: Wiley; 1 edition (September 23, 2013)

Language: English

ISBN-10: 1118342372

ISBN-13: 978-1118342374

Product Dimensions: 7 x 0.8 x 9.9 inches

Shipping Weight: 1.4 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #1,407,883 in Books (See Top 100 in Books) #121 in Books > Engineering

& Transportation > Engineering > Energy Production & Extraction > Drilling Procedures #201
inÃ Â Books > Science & Math > Physics > Nanostructures #357 inÃ Â Books > Engineering &
Transportation > Engineering > Industrial, Manufacturing & Operational Systems > Quality Control

Customer Reviews

An introductory and intermediate level handbook written in pragmatic style to explain residual stresses and to provide straightforward guidance about practical measurement methods Residual stresses play major roles in engineering structures, with highly beneficial effects when designed well, and catastrophic effects when ignored.Ã Â With ever-increasing concern for product performance and reliability, there is an urgent need for a renewed assessment of traditional and modern measurement techniques.Ã Â Success critically depends on being able to make the most practical and effective choice of measurement method for a given application. Practical Residual Stress Measurement Methods provides the reader with the information needed to understand key residual stress concepts and to make informed technical decisions about optimal choice of measurement technique.Ã Â Each chapter, written by invited specialists, follows a focused and pragmatic format, with subsections describing the measurement principle, residual stress evaluation, practical measurement procedures, example applications, references and further reading.Ã Â The chapter authors represent both international academia and industry.Ã Â Each of them brings to their writing substantial hands-on experience and expertise in their chosen field. Fully illustrated throughout, the book provides a much-needed practical approach to residual stress measurements.Ã Â The material presented is essential reading for industrial practitioners, academic researchers and interested students. Ã Â Key features: Presents an overview of the principal residual stress measurement methods, both destructive and non-destructive, with coverage of new techniques and modern enhancements of established techniques Includes stand-alone chapters, each with its own figures, tables and list of references, and written by an invited team of international specialists

Gary S. Schajer is Professor of Mechanical Engineering at the University of British Columbia, Vancouver, Canada.Ã Â He received his doctorate from the University of California, at Berkeley and worked as a senior research engineer in industry before returning to academia. His research interests include hole-drilling measurements of residual stress and related inverse solutions, and he has been the recipient of numerous awards for teaching and research. Professor Schajer has written extensively in related journals and conference proceedings, and is currently the Associate

Technical Editor of Experimental Mechanics.

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

Practical Residual Stress Measurement Methods Tests & Measurement for People Who (Think They) Hate Tests & Measurement Applied Measurement Engineering: How to Design Effective Mechanical Measurement Systems ISO/IEC Guide 98-3:2008, Uncertainty of measurement - Part 3: Guide to the expression of uncertainty in measurement (GUM:1995) The ABCs of CBM, Second Edition: A Practical Guide to Curriculum-Based Measurement (The Guilford Practical Intervention in the Schools Series) Magical Swear Word. Adult Coloring Books: Relaxation and Stress reduction: 30 Stress Relieving Magical Sweary Designs : flowers, mandalas, patterns. ... Anxiety and Stress (Swear Word Coloring Book) Adult Coloring Books: Mandala for a stress relieving experience (mandalas, stress relief, reduce stress, coloring books, relax) Basic Optical Stress Measurement in Glass Work Systems: The Methods, Measurement & Management of Work Adhesion Measurement Methods: Theory and Practice (Mechanical Engineering (Marcel Dekker)) Measurement in Health Behavior: Methods for Research and Evaluation Apoptosis Methods in Pharmacology and Toxicology: Approaches to Measurement and Quantification Research Methods in Applied Linguistics: A Practical Resource (Research Methods in Linguistics) Health Measurement Scales: A practical guide to their development and use Animals Adult Coloring Book: Stress Relieving Patterns of Elephants, Cats, Dolphins, Owl, Peacock, Panda, Fox, and More (Stress Relieving Designs) (Volume 1) Adult Coloring Book Designs: Stress Relieving Patterns, Mandalas, Cats, Flowers, Animals, Henna, and Paisleys for Stress Relief Relaxation and Zen The Adult Coloring Book for Coffee Lovers: A Meditation and Stress Relief Coloring Book for Grown-Ups (Humorous Antistress Coloring Pages and Zentangle Designs for Relaxation and Stress Relief) Coloring Books For Adults Volume 1: 40 Stress Relieving And Relaxing Patterns, Adult Coloring Books Series By ColoringCraze.com (Adult Coloring Books, ... Anti Stress Coloring Books For Grownups) American Football Sketch Gray Scale Photo Adult Coloring Book, Mind Relaxation Stress Relief: Just added color to release your stress and power brain ... and grown up, 8.5" x 11" (21.59 x 27.94 cm) Adrenal Fatigue: Overcome Adrenal Fatigue Syndrome, Boost Energy Levels, and Reduce Stress (Adrenal Fatigue Syndrome, Reduce Stress, Adrenal Fatigue Diet, Adrenal Reset Diet Book 1)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

