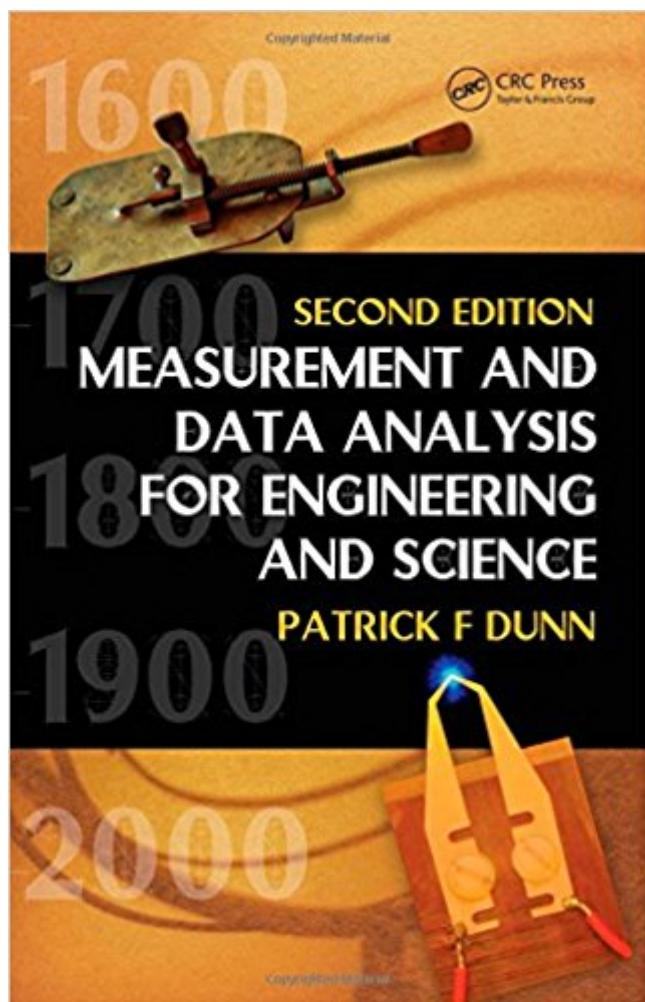The book was found

Measurement And Data Analysis For Engineering And Science, Second Edition

Synopsis

Presenting the fundamental tools of experimentation that are currently used by engineers and scientists, Measurement and Data Analysis for Engineering and Science, Second Edition covers the basics of experimentation, hardware of experiments, and methods of data analysis. It also offers historical perspectives throughout. Updating and reorganizing its popular predecessor, this second edition makes the text much easier to follow and enhances the presentation with electronic material. New to the Second Edition   Order of chapters now reflects the sequence of topics usually included in an undergraduate course Asterisked sections denote material not typically covered formally during lecture in an introductory undergraduate course More than 150 new problems, bringing the total to over 420 problems Supplementary website that provides unit conversions, learning objectives, review crossword puzzles and solutions, differential equation derivations, laboratory exercise descriptions, MATLAB® sidebars with M-files, and homework data files   Thorough and up to date, this edition continues to help students gain a fundamental understanding of the tools of experimentation. It discusses basic concepts related to experiments, measurement system components and responses, data analysis, and effective communication of experimental findings. Ancillary materials for instructors are available on a CD-ROM and a solutions manual is available for qualifying instructors. More data available on www.nd.edu/~pdunn/www.text/measurements.html

Book Information

Hardcover: 504 pages

Publisher: CRC Press; 2 edition (January 5, 2010)

Language: English

ISBN-10: 1439825688

ISBN-13: 978-1439825686

Product Dimensions: 9.3 x 6.3 x 1.3 inches

Shipping Weight: 1.8 pounds

Average Customer Review: 2.7 out of 5 stars   5 customer reviews

Best Sellers Rank: #822,075 in Books (See Top 100 in Books)   #84 inÂ Books > Engineering & Transportation > Engineering > Electrical & Electronics > Electronics > Sensors   #90 inÂ Books > Science & Math > Experiments, Instruments & Measurement > Scientific Instruments   #113 inÂ Books > Engineering & Transportation > Engineering > Reference > Measurements

Customer Reviews

Patrick F. Dunn is a professor of aerospace and mechanical engineering at the University of Notre

Dame.

The intellectual and emotional value of this text cannot be adequately expressed through this limited medium but I will endeavor nonetheless. Dunn, in his genius, has crafted what may be the most complete, organized, and articulate text on contemporary sensors and measurements. Measurement, Data Analysis, and Sensor Fundamentals for Engineering and Science draws the reader in with its eloquent prose and gripping discussions of derivations. Personally, I often found myself re-reading passages time and time again for the sheer intellectual stimulation they provided. This text should be the lifeblood of any engineering library personal or professional and I cannot recommend it more highly.

As another person mentioned, the book "appears" to be good and full of useful information. Then when you try to do the homework or reference anything from the book you're hosed. There are several examples where I would flip through every page in a chapter and find no references to the things the homework was questioning. I spent more time searching the Internet or watching my professors online help sessions where he "filled in the blanks" where the book was lacking because so many people in class were in the same boat. The book will introduce topics and barely scratch the surface and somehow the reader is supposed to make all sorts of inferences and do a lot of legwork on the side.So if you have a professor who is really good at delving deep into topics and offers their lectures online this book will probably work to supplement their teaching. More likely your professor rambles through lectures, confuses the class more, and then this book will only serve to keep paperback books on your bookshelf from falling over.

From a student perspective, this book is harder to read than a foreign language. It is full of equations that have no practical examples and you're stuck with the homework problems that you can't figure out. The examples given in the book do not correlate with the homework problems and I spend most of my time on the internet or sitting in my teacher's room trying to figure out what the book wants. It appears to be a book that assumes you remember everything that you ever learned in all of your classes. The book is too small and it seems that more information could have been included to help students better remember how to find certain values for a set of equations relating to a signal. If you can talk your teacher into excluding this book from the class and just teaching the concepts you'll be better off.

I was very pleased with this order, it came very quickly and was in perfect condition, it also came with the online access code.

I agree with the other comments about missing information and holes in the explanations. The example problems leave huge questions in how they got from referenced equations to their calculations. Sometimes the equations they have written don't even equate to the results they've calculated.

Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data) Data Analytics: What Every Business Must Know About Big Data And Data Science (Data Analytics for Business, Predictive Analysis, Big Data Book 1) Data Analytics: Applicable Data Analysis to Advance Any Business Using the Power of Data Driven Analytics (Big Data Analytics, Data Science, Business Intelligence Book 6) Big Data For Business: Your Comprehensive Guide to Understand Data Science, Data Analytics and Data Mining to Boost More Growth and Improve Business - Data Analytics Book, Series 2 Measurement and Data Analysis for Engineering and Science, Second Edition Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis) Measurement and Data Analysis for Engineering and Science, Third Edition (Volume 2) Applied Measurement Engineering: How to Design Effective Mechanical Measurement Systems Data Analytics For Beginners: Your Ultimate Guide To Learn and Master Data Analysis. Get Your Business Intelligence Right â " Accelerate Growth and Close More Sales (Data Analytics Book Series) Data Science and Big Data Analytics: Discovering, Analyzing, Visualizing and Presenting Data Data Analytics and Python Programming: 2 Bundle Manuscript: Beginners Guide to Learn Data Analytics, Predictive Analytics and Data Science with Python Programming Data Science for Business: What You Need to Know about Data Mining and Data-Analytic Thinking Tests & Measurement for People Who (Think They) Hate Tests & Measurement ISO/IEC Guide 98-3:2008, Uncertainty of measurement - Part 3: Guide to the expression of uncertainty in measurement (GUM:1995) Freezing Colloids: Observations, Principles, Control, and Use: Applications in Materials Science, Life Science, Earth Science, Food Science, and Engineering (Engineering Materials and Processes) Data Analysis and Signal Processing in Chromatography, Volume 21 (Data Handling in Science and Technology) Analytics: Data Science, Data Analysis and Predictive Analytics for Business Discovering Knowledge in Data: An Introduction

to Data Mining (Wiley Series on Methods and Applications in Data Mining) Elements of Polymer Science & Engineering, Second Edition: An Introductory Text and Reference for Engineers and Chemists (The Elements of Polymer Science and Engineering) Statistics, Data Mining, and Machine Learning in Astronomy: A Practical Python Guide for the Analysis of Survey Data (Princeton Series in Modern Observational Astronomy)