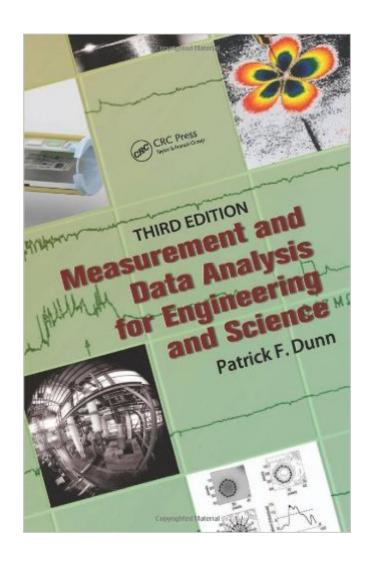
The book was found

Measurement And Data Analysis For Engineering And Science, Third Edition





Synopsis

The third edition of Measurement and Data Analysis for Engineering and Science provides an up-to-date approach to presenting the methods of experimentation in science and engineering. Widely adopted by colleges and universities within the U.S. and abroad, this edition has been developed as a modular work to make it more adaptable to different approaches from various schools. This text details current methods and highlights the six fundamental tools required for implementation: planning an experiment, identifying measurement system components, assessing measurement system component performance, setting signal sampling conditions, analyzing experimental results, and reporting experimental results. Whatâ ™s New in the Third Edition: This latest edition includes a new chapter order that presents a logical sequence of topics in experimentation, from the planning of an experiment to the reporting of the experimental results. It adds a new chapter on sensors and transducers that describes approximately 50 different sensors commonly used in engineering, presents uncertainty analysis in two separate chapters, and provides a problem topic summary in each chapter. New topics include smart measurement systems, focusing on the Arduino® microcontroller and its use in the wireless transmission of data, and MATLAB® and Simulink® programming for microcontrollers. Further topic additions are on the rejection of data outliers, light radiation, calibrations of sensors, comparison of first-order sensor responses, the voltage divider, determining an appropriate sample period, and planning a successful experiment. Measurement and Data Analysis for Engineering and Science also contains more than 100 solved example problems, over 400 homework problems, and provides over 75 MATLABA® Sidebars with accompanying MATLAB M-files, Arduino codes, and data files available for download.

Book Information

Hardcover: 632 pages

Publisher: CRC Press; 3 edition (May 23, 2014)

Language: English

ISBN-10: 1466594969

ISBN-13: 978-1466594968

Product Dimensions: 6.2 x 1.3 x 9.3 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: 1.4 out of 5 stars Â See all reviews (5 customer reviews)

Best Sellers Rank: #416,591 in Books (See Top 100 in Books) #47 in Books > Engineering &

Transportation > Engineering > Electrical & Electronics > Electronics > Sensors #53 in Books > Engineering & Transportation > Engineering > Reference > Measurements #602 in Books > Textbooks > Engineering > Mechanical Engineering

Customer Reviews

This book is awful, both as a reference and as a textbook. Its information is unclear and at times just plain wrong. Within each chapter, there seems to be little rhyme or reason for the organization of the material. And, after chapter 7, the author really stops motivating the material through the context of measurement. As an example, in the author's cursory treatment of Fourier analysis, he presents convolution (incorrectly in Table 9.1) and makes no attempt to motivate it at all. For instance, deconvolving a system's impulse response from a measured signal is an interesting application, and it's fitting in this context. Also, it really motivates students to see that they're not just doing math for math's sake. Totally lackluster, uninspiring text.

Poor book. Instrumentation is a complex topic and this book doesn't provide much help or explanation.

Poorly written and organized. If you're here for ND's course, just buy the second edition. It's not better, but it's cheaper.

This textbook is the most unhelpful piece of garbage I've ever owned

Worst Engineering book ever.

Download to continue reading...

Data Analytics: Practical Data Analysis and Statistical Guide to Transform and Evolve Any Business Leveraging the Power of Data Analytics, Data Science, ... (Hacking Freedom and Data Driven Book 2) Measurement and Data Analysis for Engineering and Science, Third Edition Measurement and Data Analysis for Engineering and Science, Second Edition Data Architecture: A Primer for the Data Scientist: Big Data, Data Warehouse and Data Vault Third Eye: Awakening Your Third Eye Chakra: Beginner's Guide (Third Eye, Third Eye Chakra, Third Eye Awakening, Chakras) Third Eye: Third Eye Activation Secrets (Third Eye Awakening, Pineal Gland, Third Eye Chakra, Open Third Eye) The Data Revolution: Big Data, Open Data, Data Infrastructures and Their Consequences Big Data For Beginners: Understanding SMART Big Data, Data Mining & Data Analytics For improved

Business Performance, Life Decisions & More! Microsoft Excel 2013 Data Analysis and Business Modeling: Data Analysis and Business Modeling (Introducing) Face Image Analysis by Unsupervised Learning (The Kluwer International Series in Engineering and Computer Science, Volume 612) (The Springer International Series in Engineering and Computer Science) Swift: Programming, Master's Handbook: A TRUE Beginner's Guide! Problem Solving, Code, Data Science, Data Structures & Algorithms (Code like a PRO in ... mining, software, software engineering,) Python Data Analytics: Data Analysis and Science using pandas, matplotlib and the Python Programming Language Just Plain Data Analysis: Finding, Presenting, and Interpreting Social Science Data Data Structures and Algorithm Analysis in Java, Third Edition (Dover Books on Computer Science) Data Structures and Algorithm Analysis in C++, Third Edition (Dover Books on Computer Science) Big Data, MapReduce, Hadoop, and Spark with Python: Master Big Data Analytics and Data Wrangling with MapReduce Fundamentals using Hadoop, Spark, and Python LEARN IN A DAY! DATA WAREHOUSING. Top Links and Resources for Learning Data Warehousing ONLINE and OFFLINE: Use these FREE and PAID resources to Learn Data Warehousing in little to no time Discovering Knowledge in Data: An Introduction to Data Mining (Wiley Series on Methods and Applications in Data Mining) Data Just Right: Introduction to Large-Scale Data & Analytics (Addison-Wesley Data and Analytics) Instrumentation for Process Measurement and Control, Third Editon

<u>Dmca</u>