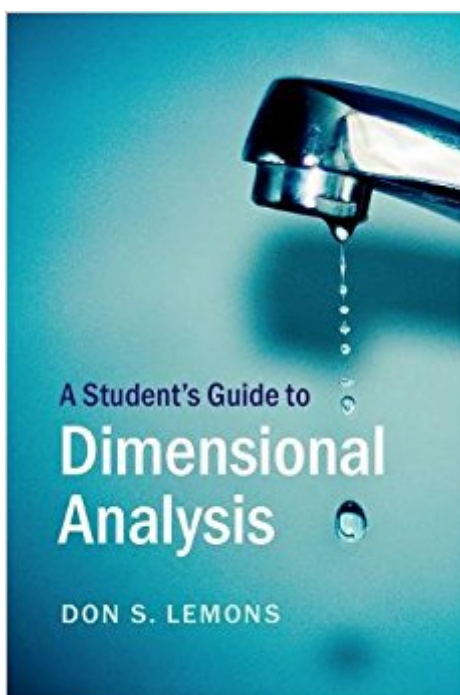


The book was found

A Student's Guide To Dimensional Analysis



Synopsis

This introduction to dimensional analysis covers the methods, history and formalisation of the field, and provides physics and engineering applications. Covering topics from mechanics, hydro- and electrodynamics to thermal and quantum physics, it illustrates the possibilities and limitations of dimensional analysis. Introducing basic physics and fluid engineering topics through the mathematical methods of dimensional analysis, this book is perfect for students in physics, engineering and mathematics. Explaining potentially unfamiliar concepts such as viscosity and diffusivity, the text includes worked examples and end-of-chapter problems with answers provided in an accompanying appendix, which help make it ideal for self-study. Long-standing methodological problems arising in popular presentations of dimensional analysis are also identified and solved, making the book a useful text for advanced students and professionals.

Book Information

Paperback: 112 pages

Publisher: Cambridge University Press; Student edition (May 22, 2017)

Language: English

ISBN-10: 131661381X

ISBN-13: 978-1316613818

Product Dimensions: 6 x 0.3 x 9 inches

Shipping Weight: 9.1 ounces (View shipping rates and policies)

Average Customer Review: 5.0 out of 5 stars 1 customer review

Best Sellers Rank: #254,119 in Books (See Top 100 in Books) #29 in Books > Engineering & Transportation > Engineering > Reference > Measurements #44 in Books > Science & Math > Physics > Applied #142 in Books > Science & Math > Physics > Mathematical Physics

Customer Reviews

This introduction to dimensional analysis covers the methods, history and formalisation of the field. Utilising topics including mechanics, hydro- and electrodynamics, and thermal and quantum physics, it illustrates the possibilities and limitations of dimensional analysis, making it perfect for students on introductory courses in physics, engineering and mathematics.

Don S. Lemons is Professor Emeritus of Physics at Bethel College, Kansas, and has served as an assistant editor of the American Journal of Physics. He is a member of the American Physical Society and his research focuses primarily on plasma physics.

As Engineer I love the mathematical models but I love much more the "magnitud order" , when in real situations you need fast answers to know how the things are gonna happen with the use of some handful of variables. This book is perfect to understand the art in the Dimensional Analysis and the Professor Lemons explain it from scratch with all the rigours of a new science. Thank you Mr. Lemons to think in the people that every day need to face real problems and solve them in some minutes.

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

A Student's Guide to Dimensional Analysis
Clinical Calculations Made Easy: Solving Problems Using Dimensional Analysis
The Nurse, The Math, The Meds: Drug Calculations Using Dimensional Analysis, 3e
Dimensional Analysis Finite-Dimensional Linear Analysis: A Systematic Presentation in Problem Form (Dover Books on Mathematics)
High-dimensional Data Analysis (Frontiers of Statistics)
Medical Dosage Calculations: A Dimensional Analysis Approach (10th Edition)
Dimensional Analysis for Meds, 4th Edition
Calculating Dosages Safely: A Dimensional Analysis Approach (DavisPlus)
Chemical Problem Solving Using Dimensional Analysis (3rd Edition)
Analytics: Business Intelligence, Algorithms and Statistical Analysis (Predictive Analytics, Data Visualization, Data Analytics, Business Analytics, Decision Analysis, Big Data, Statistical Analysis)
Analytics: Data Science, Data Analysis and Predictive Analytics for Business (Algorithms, Business Intelligence, Statistical Analysis, Decision Analysis, Business Analytics, Data Mining, Big Data)
The Art of 3D Drawing: An illustrated and photographic guide to creating art with three-dimensional realism
The Ascension Manual: A Lightworker's Guide to Fifth Dimensional Living (The Ascension Manual Series Book 1)
The Visual Guide To Extra Dimensions: Visualizing The Fourth Dimension, Higher-Dimensional Polytopes, And Curved Hypersurfaces
The Data Warehouse Toolkit: The Definitive Guide to Dimensional Modeling
The Art of Drawing Optical Illusions: How to draw mind-bending illusions and three-dimensional trick art in graphite and colored pencil
Two-Dimensional Man Shaping Space: The Dynamics of Three-Dimensional Design
The complete new techniques in printmaking;: The art and technique of the collagraph, the dimensional print, dry lithography, photographic prints, ... prints, print workshop, sources, and charts

[Contact Us](#)

[DMCA](#)

[Privacy](#)

