



Dimensional Analysis: Examples of the Use of Symmetry (Paperback)

By Hans G. Hornung

Dover Publications Inc., United States, 2006. Paperback. Book Condition: New. 211 x 135 mm. Language: English . Brand New Book ***** Print on Demand *****.Derived from a course in fluid mechanics, this text for advanced undergraduates and beginning graduate students employs symmetry arguments to demonstrate the principles of dimensional analysis. The examples provided illustrate the effectiveness of symmetry arguments in obtaining the mathematical form of the functions yielded by dimensional analysis. Students will find these methods applicable to a wide field of interests. After discussing several examples of method, the text examines pipe flow, material properties, gasdynamical examples, body in nonuniform flow, and turbulent flow. Additional topics include waves on a free liquid surface, examples with other fluid properties, and ideal gas equations of state. Figures appear throughout the text, which concludes with a bibliography.

DOWNLOAD



READ ONLINE
[8.32 MB]

Reviews

Simply no words to explain. It really is basic but shocks from the fifty percent of the ebook. I am just happy to explain how this is the finest pdf we have read within my personal life and could be the best ebook for possibly.

-- **Blair Monahan**

This is actually the very best pdf i have read through right up until now. This really is for those who stutte there was not a well worth looking at. Your lifestyle period is going to be convert as soon as you total reading this article publication.

-- **Margaretta Wolf**