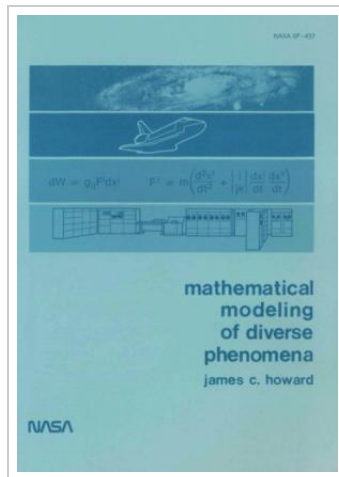




Mathematical Modeling of Diverse Phenomena

By National Aeronautics and Space Administration

CreateSpace Independent Publishing Platform. Paperback. Book Condition: New. This item is printed on demand. Paperback. 404 pages. Dimensions: 10.0in. x 7.0in. x 0.9in. This book is intended for those students, engineers, scientists, and applied mathematicians who find it necessary to formulate models of diverse phenomena. To facilitate the formulation of such models, some aspects of the tensor calculus will be introduced. However, no knowledge of tensors is assumed. The chief aim of this calculus is the investigation of relations that remain valid in going from one coordinate system to another. The invariance of tensor quantities with respect to coordinate transformations can be used to advantage in formulating mathematical models. As a consequence of the geometrical simplification inherent in the tensor method, the formulation of problems in curvilinear coordinate systems can be reduced to series of routine operations involving only summation and differentiation. When conventional methods are used, the form which the equations of mathematical physics assume depends on the coordinate system used to describe the problem being studied. This dependence, which is due to the practice of expressing vectors in terms of their physical components, can be removed by the simple expedient of expressing all vectors in terms of their tensor...



READ ONLINE
[936.76 KB]

Reviews

Very good electronic book and useful one. it absolutely was writtern extremely completely and useful. You will not feel monotony at at any moment of your respective time (that's what catalogs are for relating to when you question me).

-- **Prof. Noah Zemlak DDS**

This is basically the very best book i have read right up until now. It is definitely simplistic but excitement in the 50 % from the ebook. Your daily life period will likely be transform as soon as you total reading this article pdf.

-- **Prof. Ambrose Pollich DDS**

See Also



The Secret of Red Gate Farm (Nancy Drew Mystery Stories, Book 6)

Grosset & Dunlap. Hardcover. Book Condition: New. 0448095068 Brand New right out of the wrapper- I ship FAST with FREE tracking!!.



My Life as an Experiment: One Man s Humble Quest to Improve Himself by Living as a Woman, Becoming George Washington, Telling No Lies, and Other Radical Tests

SIMON SCHUSTER, United States, 2010. Paperback. Book Condition: New. Reprint. 212 x 138 mm. Language: English . Brand New Book. One man. Ten extraordinary quests. Bestselling author and human guinea pig A. J. Jacobs puts his life to the test and reports...



Book Finds: How to Find, Buy, and Sell Used and Rare Books (Revised)

Perigee. PAPERBACK. Book Condition: New. 0399526544 Never Read-12+ year old Paperback book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I ship FAST with FREE tracking!! * I...



Genuine the book spiritual growth of children picture books: let the children learn to say no the A Bofu (AboffM)(Chinese Edition)

paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Paperback. Pub Date :2012-02-01 Pages: 33 Publisher: Chemical Industry Press Welcome Our service and quality to your satisfaction. please tell your...



Born Fearless: From Kids' Home to SAS to Pirate Hunter - My Life as a Shadow Warrior

Quercus Publishing Plc, 2011. Hardcover. Book Condition: New. No.1 BESTSELLERS - great prices, friendly customer service â" all orders are dispatched next working day.



50 Fill-In Math Word Problems: Algebra: Engaging Story Problems for Students to Read, Fill-In, Solve, and Sharpen Their Math Skills

Scholastic Teaching Resources. Paperback / softback. Book Condition: new. BRAND NEW, 50 Fill-In Math Word Problems: Algebra: Engaging Story Problems for Students to Read, Fill-In, Solve, and Sharpen Their Math Skills, Bob Krech, Joan Novelli, These ""mad lib""-style worksheets are instant math...