



Diffusion, Quantum Theory, and Radically Elementary Mathematics

By -

Princeton University Press, United States, 2006. Paperback. Book Condition: New. 230 x 154 mm. Language: English . Brand New Book. Diffusive motion--displacement due to the cumulative effect of irregular fluctuations--has been a fundamental concept in mathematics and physics since Einstein's work on Brownian motion. It is also relevant to understanding various aspects of quantum theory. This book explains diffusive motion and its relation to both nonrelativistic quantum theory and quantum field theory. It shows how diffusive motion concepts lead to a radical reexamination of the structure of mathematical analysis. The book's inspiration is Princeton University mathematics professor Edward Nelson's influential work in probability, functional analysis, nonstandard analysis, stochastic mechanics, and logic. The book can be used as a tutorial or reference, or read for pleasure by anyone interested in the role of mathematics in science. Because of the application of diffusive motion to quantum theory, it will interest physicists as well as mathematicians. The introductory chapter describes the interrelationships between the various themes, many of which were first brought to light by Edward Nelson. In his writing and conversation, Nelson has always emphasized and relished the human aspect of mathematical endeavor. In his intellectual world, there is...



READ ONLINE
[7.6 MB]

Reviews

An incredibly wonderful book with perfect and lucid explanations. It normally is not going to price a lot of. I am just very happy to tell you that this is the greatest pdf we have go through within my personal lifestyle and could be the finest book for at any time.

-- **Bart Lowe**

This is basically the greatest pdf i actually have go through till now. It is definitely simplistic but surprises within the fifty percent in the ebook. I am easily will get a delight of studying a published ebook.

-- **Hyman O'Conner III**

You May Also Like



Meet Trouble: Slipcase

Penguin Putnam Inc, United States, 2013. Paperback. Book Condition: New. 230 x 154 mm. Language: English . Brand New Book. A brand-new series for brand-new readers!Introducing a new series for brand-new readers! Each slipcase includes two 16-page paperback books, both on an...



Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



Mother Carey s Chickens (Dodo Press)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. 228 x 154 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s author and educator. She was born in Philadelphia,...



Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]

Createspace, United States, 2013. Paperback. Book Condition: New. 254 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]

Createspace, United States, 2013. Paperback. Book Condition: New. 248 x 170 mm. Language: English . Brand New Book ***** Print on Demand *****.ABOUT SMART READS for Kids . Love Art, Love Learning Welcome. Designed to expand and inspire young minds; this is...



I Am Reading: Nurturing Young Children s Meaning Making and Joyful Engagement with Any Book

Heinemann Educational Books, United States, 2015. Paperback. Book Condition: New. 234 x 185 mm. Language: English . Brand New Book. It s vital that we support young children s reading in ways that nurture healthy reading identities, that foster an attraction to...