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The Shock and Vibration Bulletin - 1974-08

Contextuality from Quantum Physics to Psychology - Ehtibar Dzhafarov
2015-11-30

The book explores the variety of meanings of contextuality across different disciplines, with the emphasis on quantum physics and on psychology. Contents: Conversations on Contextuality (Ehtibar N Dzhafarov & Janne V Kujala) Contextual Semantics (Samson Abransky) From Coupling to Copula (Hans Colonius) Einstein, Bohm, and Leggett-Garg (Guido Bacciagaluppi) It is the Theory Which Decides What We Can Observe (Thomas Filk) Reality, Contextuality, and Probability in Quantum Theory and Beyond (Arkady Plotnitsky) Contextual Emergence (Harald Atmanspacher) Contextuality in Physics and Quantum Cognition (J Acacio de Barros & Gary Oas) End-Directedness and Context in Nonliving Dissipative Systems (James A Dixon, Dilip Kondepudi, Bruce A Kay & Tehran J Davis) Foregrounding the Background (J Scott Jordan, Jiuyang Bai, Vincent Cialdella & Daniel Schloesser) Symmetry-Breaking in Multiagent Coordination (Michael J Richardson & Rachel W Kallen) Probabilistic Contextuality (Janne V Kujala & Ehtibar N Dzhafarov) Quantum Thinking and Counterfactual Reasoning (Louis Narens) Quantum Theory, Active Information and the Mind-Matter Problem (Paavo Pylkkänen) Principles Defining Quantum Mechanics (Gary Oas & J Acacio de Barros) Our (Represented) World: A Quantum-Like Object (Ariane Lambert-Mogiliansky & Francois Dubois) Why Would You Want to Borrow from My Discipline? (Emmanuel Haven) Quantum Information Biology (Masanori Ohya, Yoshiharu Tanaka & Ichiro Yamato) Similarity Judgments: From Classical to Complex Vector Psychological Spaces (Albert Barque Duran, Emmanuel M Pothos, James M Yearsley, James A Hampton, Jerome R Busemeyer & Jennifer S Trueblood) A Quantum Bayes Net Approach to Causal Reasoning (Jennifer S Trueblood, Percy K Mistry & Emmanuel M Pothos) Readership: Researchers in quantum physics, mathematical modelling and cognitive science. Key Features: It is historically the first book dedicated entirely to contextuality It is interdisciplinary, involving quantum physicists, computer scientists, mathematicians, analytic philosophers, economists, and psychologists Its chapters are written by leading specialists in these various fields Keywords: Contextuality; Quantum Physics; Psychology

Anticipating the Next Discoveries in Particle Physics - Essig Rouven
2018-05-21

This volume is a compilation of lectures delivered at the TASI 2016 summer school, 'Anticipating the Next Discoveries in Particle Physics', held at the University of Colorado at Boulder in June 2016. The school focused on topics in theoretical particle physics, phenomenology, dark matter, and cosmology of interest to contemporary researchers in these fields. The lectures are accessible to graduate students in the initial stages of their research careers.

Index of patents - 1922

The Biomechanics of Batting, Swinging, and Hitting - Glenn Fleisig 2016-04-22

In the movie Bull Durham, frustrated manager Joe Riggins stresses to his team, "This is a simple game. You throw the ball. You hit the ball. You catch the ball." This simplification works well for biomechanists too, as sports can be broken down into specific physical tasks like throwing, hitting, catching, and running. There have been significant advances in understanding some actions, but not others. In the first ten years of the journal Sports Biomechanics, only 18 of 236 articles were about hitting a ball. This scarcity is startling considering that according to USA Today (May 20, 2005), three of the five hardest things to do in sports involve hitting a ball (#1: baseball batting, #4: golf tee shot, and #5: tennis serve return). This book provides the latest biomechanical research in the under-studied field of hitting a ball. The biomechanics of baseball,

cricket, hockey, hurling, softball, table tennis, and tennis are all examined. The chapters are written in a style that will both satisfy the high standards of biomechanists and provide information for instructors and athletes to improve performance. This book is based on a special issue of Sports Biomechanics.

Index of Patents Issued from the United States Patent and Trademark Office - 1927

Specifications and Drawings of Patents Issued from the U.S. Patent Office - United States. Patent Office 1874

Western Law Reporter (Canada) and Index-digest - Edward Betley Brown 1908

The Locomotive, Railway Carriage & Wagon Review - 1927

The Labour Gazette - Canada. Dept. of Labour 1909

The Western Law Reporter Canada and Index-digest - L. S. Le Vernois 1908

Report on the Construction and Progress of the Railways of New South Wales from 1866-1871, Inclusive - New South Wales. Dept. of Railways and Tramways 1888

The Labour Gazette - 1909

Index of Patents Issued from the United States Patent Office - United States. Patent Office 1944

Nuclear Magnetic Resonance - R. K. Harris 1971-12

As a spectroscopic method, Nuclear Magnetic Resonance (NMR) has seen spectacular growth over the past two decades, both as a technique and in its applications. Today the applications of NMR span a wide range of scientific disciplines, from physics to biology to medicine. Each volume of Nuclear Magnetic Resonance comprises a combination of annual and biennial reports which together provide comprehensive of the literature on this topic. This Specialist Periodical Report reflects the growing volume of published work involving NMR techniques and applications, in particular NMR of natural macromolecules which is covered in two reports: "NMR of Proteins and Acids" and "NMR of Carbohydrates, Lipids and Membranes". For those wanting to become rapidly acquainted with specific areas of NMR, this title provides unrivalled scope of coverage. Seasoned practitioners of NMR will find this an invaluable source of current methods and applications. Specialist Periodical Reports provide systematic and detailed review coverage in major areas of chemical research. Compiled by teams of leading authorities in the relevant subject areas, the series creates a unique service for the active research chemist, with regular, in-depth accounts of progress in particular fields of chemistry. Subject coverage within different volumes of a given title is similar and publication is on an annual or biennial basis.

Commissioner of Patents Annual Report - United States. Patent Office 1867

Annual Report - USA Patent Office 1887

House documents - 1887

Railroad Gazette - 1908

Moore's Monthly Magazine - 1927

United States Army Aviation Digest - 1971

The Canadian Railway Act R. S. C. (1906) - Angus Macmurchy 1911

Illustrated Catalogue of Railway and Machinists' Tools and Supplies - Manning, Maxwell & Moore, Inc 1894

Iron and Steel Engineer - 1925

Contains the proceedings of the Association.

From Parity Violation to Hadronic Structure and more - K. de Jager 2008-06-21

This book contains the proceedings of the third international workshop on From Parity Violation to Hadronic Structure and More. The many applications of parity violation are way beyond the scope of what Lee and Yang could have imagined fifty years after their proposal. For the physics topics discussed during this workshop, the application of parity violation has become a standard work horse allowing for the extraction of many physics topics in different experiments.

Report - New South Wales Department of Railways and Tramways 1888

Neuro-informatics and Neural Modelling - F. Moss 2001-06-26

How do sensory neurons transmit information about environmental stimuli to the central nervous system? How do networks of neurons in the CNS decode that information, thus leading to perception and consciousness? These questions are among the oldest in neuroscience. Quite recently, new approaches to exploration of these questions have arisen, often from interdisciplinary approaches combining traditional computational neuroscience with dynamical systems theory, including nonlinear dynamics and stochastic processes. In this volume in two sections a selection of contributions about these topics from a collection of well-known authors is presented. One section focuses on computational aspects from single neurons to networks with a major emphasis on the latter. The second section highlights some insights that have recently developed out of the nonlinear systems approach.

Advances in Magnetic Resonance - John S. Waugh 2016-07-29

Advances in Magnetic Resonance, Volume 6 focuses on the theoretical and practical aspects of applying magnetic resonance methods to various problems in physical chemistry, emphasizing the different aspects of the exegesis of these problems. This book discusses the gas phase magnetic resonance of electronically excited molecules; techniques for observing excited electronic states; NMR studies in liquids at high pressure; and effect of pressure on self-diffusion in liquids. The nuclear magnetic resonance investigations of organic free radicals; measurement of proton coupling constants by NMR; and crystal point group symmetry and microscopic tensor properties in magnetic resonance spectroscopy are also elaborated. This text likewise deliberates the degeneracy of symmetry-related tensors; second and fourth moments in NQR spectroscopy for spins with $I = 1$; and fourth moment for equivalent nuclei with spins $I = 1$. This publication is valuable to physical chemists and students aiming to acquire knowledge on the application of magnetic resonance methods.

Progress of Theoretical Physics - 2006

Annual Report of the Commissioner of Patents - United States.

Patent Office 1922

Prior to 1862, when the Department of Agriculture was established, the report on agriculture was prepared and published by the Commissioner of Patents, and forms volume or part of volume, of his annual reports, the first being that of 1840. Cf. Checklist of public documents ... Washington, 1895, p. 148.

New South Wales Government Railways and Tramways - New South Wales. Commissioner for Railways 1888

The Electrical Review - 1900

Patents for Inventions. Abridgments of Specifications - Great Britain.

Patent Office 1898

The Ontario Weekly Reporter and Index-digest - 1908

Welding and Brazing - 1955

Topics in Stereochemistry - Ernest L. Eliel 2009-09-17

This seminal series, first edited by Ernest Eliel, responsible for some of the major advances in stereochemistry and the winner of the ACS Priestley Medal in 1996, provides coverage of the major developments of the field of stereochemistry. The scope of this series is broadly defined to encompass all fields of chemical and biological sciences that are founded on molecular and supramolecular interactions. Insofar as chemical, physical, and biological properties are determined by molecular shape and structure, the importance of stereochemistry is fundamental to and consequential for all natural sciences. Topics in Stereochemistry serves as a multidisciplinary series that enriches all of chemistry. Aimed at advanced students, university professors and teachers as well as researchers in pharmaceutical, agricultural, biotechnological, polymer, materials, and fine chemical industries, Topics in Stereochemistry publishes definitive and scholarly reviews in stereochemistry and has long been recognized as the gold standard reference work in this field. Covering the effect of chirality on all aspects of molecular interaction from the fundamental physical chemical properties of molecules and their molecular physics to the application of chirality in new areas such as its applications in materials science, Topics in Stereochemistry explores a wide variety of properties, both physical and chemical of isomers with a view to their applications in a number of disciplines from biochemistry to materials science.

Biomolecular Structure and Dynamics - G. Vergoten 2012-12-06

Biomolecular Structure and Dynamics describes recent fundamental advances in the experimental and theoretical study of molecular dynamics and stochastic dynamic simulations, X-ray crystallography and NMR of biomolecules, the structure of proteins and its prediction, time resolved Fourier transform IR spectroscopy of biomolecules, the computation of free energy, applications of vibrational CD of nucleic acids, and solid state NMR. Further presentations include recent advances in UV resonance Raman spectroscopy of biomolecules, semiempirical MO methods, empirical force fields, quantitative studies of the structure of proteins in water by Fourier transform IR, and density functional theory. Metal-ligand interactions, DFT treatment of organometallic and biological systems, and simulation vs. X-ray and far IR experiments are also discussed in some detail. The book provides a broad perspective of the current theoretical aspects and recent experimental findings in the field of biomolecular dynamics, revealing future research trends, especially in areas where theoreticians and experimentalists could fruitfully collaborate.

TID - 1955

Nuclear Magnetic Resonance - G A Webb 2007-10-31

As a spectroscopic method, Nuclear Magnetic Resonance (NMR) has seen spectacular growth over the past two decades, both as a technique and in its applications. Today the applications of NMR span a wide range of scientific disciplines, from physics to biology to medicine. Each volume of Nuclear Magnetic Resonance comprises a combination of annual and biennial reports which together provide comprehensive of the literature on this topic. This Specialist Periodical Report reflects the growing volume of published work involving NMR techniques and applications, in particular NMR of natural macromolecules which is covered in two reports: "NMR of Proteins and Acids" and "NMR of Carbohydrates, Lipids and Membranes". For those wanting to become rapidly acquainted with specific areas of NMR, this title provides unrivalled scope of coverage. Seasoned practitioners of NMR will find this an invaluable source of current methods and applications. Specialist Periodical Reports provide systematic and detailed review coverage in major areas of chemical research. Compiled by teams of leading authorities in the relevant subject areas, the series creates a unique service for the active research chemist, with regular, in-depth accounts of progress in particular fields of chemistry. Subject coverage within different volumes of a given title is similar and publication is on an annual or biennial basis.

The Railway Age - 1908