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China's Economy Into the New Century John Wong 2002 In the last two decades of the 20th century, China stood out as the world's star performer in economic growth, thanks to the market-oriented reform that started in 1978. At the turn of the century, the Chinese economy faces a series of challenges to sustain its growth and stability. The two-decade-long rapid growth has effectively strengthened China's economic power and raised its people's standard of living. It has also transformed China from a centrally planned command economy into a ?socialist market economy?, which operates increasingly in line with capitalist norms. Major structural problems, however, remain and are growing acute. Weakness in the fiscal system breeds rent seeking at the local level and causes tension in the state budget. The flawed financial institutions and the biased ownership structure continue to distort resource allocation and cause huge efficiency losses. Inter-provincial and inter-regional disparity is reaching a level that threatens national unity and social stability. As China joins the World Trade Organization and becomes more integrated into the world economy, it urgently needs to improve the domestic business environment and to beef up indigenous industries for foreign competition.This volume is a collection of papers written by scholars at the East Asian Institute to address those problems during the period 1999?2001. The authors, with their knowledge and experience in China studies, provide in-depth observations and professional analyses of some of the most important issues for the Chinese economy at the turn of the century. Some of the observations and analyses lead to enlightening policy recommendations. The solid scholarship combined with the policy orientation of these papers will appeal greatly to researchers in academia, governments and other institutions. The policy-oriented and fact-based analyses will also be of interest to practitioners in business, including business consultants.

Library of Congress Catalog Library of Congress 1965 A cumulative list of works represented by Library of Congress printed cards.

Bliss County - Der Traum in Weiß Linda Lael Miller 2016-02-10 Das romantische Finale von Nr.1-New York Times-Bestsellerautorin Linda Lael Miller! In Bliss County ist das Heiratsfieber ausgebrochen! Nur Becca Stuart ist von dem märchenhaften Tag in Weiß noch weit entfernt. Fast zerbrochen ist sie an dem Schmerz, als ihre große Liebe starb und damit die Hoffnung auf das ewige Glück. Doch dann begegnet sie Tate Calder. Sein Lächeln lässt Beccas einsames Herz schneller schlagen - und zum ersten Mal seit langer Zeit spürt sie, dass es auch für sie ein Happy End geben könnte. Allerdings hat sich der verwitwete Single-Dad Tate geschworen, nie wieder den Bund fürs Leben zu schließen. Nicht gerade die optimalen Voraussetzungen für die Erfüllung des Hochzeitspakts ...

Finite Element Methods and Their Applications Zhangxin Chen 2005-06-23 Introduce every concept in the simplest setting and to maintain a level of treatment that is as rigorous as possible without being unnecessarily abstract. Contains unique recent developments of various finite elements such as nonconforming, mixed, discontinuous, characteristic, and adaptive finite elements, along with their applications. Describes unique recent applications of finite element methods to important fields such as multiphase flows in porous media and semiconductor modelling. Treats the three major types of partial differential equations, i.e., elliptic, parabolic, and hyperbolic equations.

Mechanical Microsensors Miko Elwenspoeck 2001-01-12 This book provides a comprehensive description of microsensors for mechanical quantities (flow, pressure, force, inertia) fabricated by silicon micromachining. Since the design of such sensors requires interdisciplinary teamwork, the presentation is made accessible to engineers trained in electrical and mechanical engineering, physics and chemistry. The reader is guided through the micromachining fabrication process. A chapter on microsensor packaging completes the discussion of technological problems. The description of the basic physics required for sensor design includes the mechanics of deformation and the piezoresistive transduction to electrical signals. There is also a comprehensive discussion of resonant sensors, the hydrodynamics and heat transfer relevant for flow sensors, and, finally, electronic interfacing and readout circuitry. Numerous up-to-date case studies are presented, together with the working, fabrication and design of the sensors.

Literature 1991, Part 2 Astronomisches Rechen-Institut 2013-06-29 "Astronomy and Astrophysics Abstracts" appearing twice a year has become oneof the fundamental publications in the fields of astronomy, astrophysics andneighbouring sciences. It is the most important English-language abstracting journal in the mentioned branches. The abstrats are classified under more than a hundred subject categories, thus permitting a quick survey of the whole extended material. The AAA is a valuable and important publication for all students and scientists working in the fields of astronomy and related sciences. As such it represents a necessary ingredient of any astronomical library all over the world.

Elements of Molecular Symmetry Yngve Öhrn 2000-01-24 A unique, much-needed introduction to molecular symmetry and group theory Elements of Molecular Symmetry takes the topic of group theory a step further than most books, presenting a quantum chemistry treatment useful for computational, quantum, physical, and inorganic chemists alike. Clearly explaining how general groups and group algebra describe molecules, Yngve Öhrn first develops the theory, then provides coverage not only for point groups, but also permutation groups, space groups, and Lie groups. With over three decades of teaching experience, Dr. Öhrn brings to the discussion unprecedented depth and clarity, incorporating rigorous topics at a level accessible to anyone with basic knowledge of calculus and algebra. This unique and timely book: * Extends coverage to molecular orbital theory, * Utilizes powerful examples to illustrate basic concepts * Contains introductory material on space groups and continuous groups, including point-group character tables * Provides a solid background for exploring the theoretical literature

Die Vierte Industrielle Revolution Klaus Schwab 2016-06-27 Die größte Herausforderung unserer Zeit Ob selbstfahrende Autos, 3-D-Drucker oder Künstliche Intelligenz: Aktuelle technische Entwicklungen werden unsere Art zu leben und zu arbeiten grundlegend verändern. Die Vierte Industrielle Revolution hat bereits begonnen. Ihr Merkmal ist die ungeheuer schnelle und systematische Verschmelzung von Technologien, die die Grenzen zwischen der physischen, der digitalen und der biologischen Welt immer stärker durchbrechen. Wie kein anderer ist Klaus Schwab, der Vorsitzende des Weltwirtschaftsforums, in der Lage aufzuzeigen, welche politischen, wirtschaftlichen, sozialen und kulturellen Herausforderungen diese Revolution für uns alle mit sich bringt.

Die wahren Kosten des Krieges Joseph E. Stiglitz 2008 Was uns der Irak-Krieg wirklich kostet - eine Abrechnung In seinem neuesten Buch enthüllt der WirtschaftsnoBELpreisträger Joseph Stiglitz gemeinsam mit Linda Bilmes die katastrophalen Folgen des Irak-Kriegs. Dabei deckt er nicht nur die ökonomischen Kosten für die USA und die Welt auf, sondern benennt auch erstmals die langfristigen politischen, sozialen und humanitären Auswirkungen, die erst in den nächsten Jahren und Jahrzehnten sichtbar werden. Der Preis für den Irak-Krieg ist gigantisch, und zwar nicht nur mit Blick auf den hohen Tribut, den Soldaten und Zivilbevölkerung dafür zu zahlen haben. Dieser Konflikt bedeutet auch eine enorme, bisher ungeahnte wirtschaftliche Belastung, und dies nicht nur für den amerikanischen Steuerzahler, sondern für die gesamte Weltwirtschaft. Die verborgenen und langfristigen Kosten wie die Versorgung von Veteranen oder der Wiederaufbau der vom Krieg zerstörten Region wird die ökonomische Kraft der Vereinigten Staaten auf Jahrzehnte schwer beschädigen. Hinzu kommen kaum bezifferbare humanitäre und soziale Auswirkungen. In ihrem ebenso nüchternen wie erschütternden Bericht rechnen Joseph Stiglitz und Linda Bilmes dem amerikanischen Präsidenten vor, welche bislang unterschätzten - oder womöglich verheimlichten - Folgen der Irak-Krieg haben wird. Ihr Buch beweist, dass Bushs Feldzug nicht nur in militärischer Hinsicht sinnlos, sondern auch mit Blick auf seine sozialen und ökonomischen Konsequenzen ein wahres Desaster ist. "Die Leistung der Autoren ist beeindruckend." Welt am Sonntag "Lädt zum Nachdenken ein." Buchhändler heute "Das Buch von Stiglitz und Bilmes dokumentiert das umfassende Scheitern einer Politik, die sich bis heute weigert, die Realität anzuerkennen." Die Zeit.

Bildung auf einen Blick 2013: OECD-Indikatoren OECD 2013-08-01

Sterne und Atome Arthur Stanley Eddington 2013-03-08 Dieser Buchtitel ist Teil des Digitalisierungsprojekts Springer Book Archives mit Publikationen, die seit

den Anfängen des Verlags von 1842 erschienen sind. Der Verlag stellt mit diesem Archiv Quellen für die historische wie auch die disziplingeschichtliche Forschung zur Verfügung, die jeweils im historischen Kontext betrachtet werden müssen. Dieser Titel erschien in der Zeit vor 1945 und wird daher in seiner zeittypischen politisch-ideologischen Ausrichtung vom Verlag nicht beworben.

Frankenstein oder Der moderne Prometheus Mary Shelley 2019-12-07

Numerical Methods for the Computation of Inviscid Transonic Flows with Shock Waves Arthur Rizzi 2013-08-13

A Guide to Protein Isolation C. Dennison 2003-04-30 It is a truism of science that the more fundamental the subject, the more universally applicable it is. Neverthelens, it is important to strike a level of "fundamentalness" appropriate to the task in hand. For example, an in-depth study of the mechanics of motor cars would tell one nothing about the dynamics of traffic. Traffic exists on a different "level" - it is dependent upon the existence of motor vehicles but the physics and mathematics of traffic can be adequately addressed by considering motor vehicles as mobile "blobs", with no consideration of how they become mobile. To start a discourse on traffic with a consideration of the mechanics of motor vehicles would thus be inappropriate. In writing this volume, I have wrestled with the question of the appropriate level at which to address the physics underlying many of the techniques used in protein isolation. I have tried to strike a level as would be used by a mechanic (with perhaps a slight leaning towards an engineer) - i.e. a practical level, offering appropriate insight but with minimal mathematics. Some people involved in biochemical research have a minimal grounding in chemistry and physics and so I have tried to keep it as simple as possible.

Examinations in Singapore Yap Kwang Tan 2008 The first book to explore the development of Singapore's much-talked-about education and examination system, this volume juxtaposes examinations with its immediate context of education and wider context of politics, economy and society. The study covers three broad historical periods: Examinations in Singapore from 1891 to 1945; The Post-War Years from 1946 to the 1970s; and Charting Our Destiny from the 1980s to 2007. In the British period up to 1941, the local examinations were conducted by the vernacular schools, and external examinations by the University of Cambridge Local Examinations Syndicate. There was a lack of systematic effort to establish a uniform system of education and examinations. During the Japanese Occupation, examinations were conducted by the Japanese authorities and, unexpectedly, the Cambridge examinations continued in the Sime Road Camp. In the post-war period and particularly after Singapore was granted self-government, the establishment of a national education system was followed by the emergence of national examinations: the Primary School Leaving Examinations and the Singapore-Cambridge GCE N/O/A Levels for every school-going child in Singapore. Thereafter, the nature of national examinations evolved with the changing needs of education and the nation. At the turn of the century, with the Ministry of Education's decision to take greater control of examinations, the Singapore Examinations and Assessment Board was established, to oversee new developments in examinations.Unlike most literature on education where examinations are often mentioned as an outcome of educational goals and objectives, this book focuses on examinations per se. Examinations have gained a momentum of their own, and it is interesting to note the development of examinations against the backdrop of the broader history of Singapore and of education in Singapore.

Symmetry Breaking Franco Strocchi 2007-11-19 The new edition of this well received primer on rigorous aspects of symmetry breaking presents a more detailed and thorough discussion of the mechanism of symmetry breaking in classical field theory in relation with the Noether theorem. Moreover, the link between symmetry breaking without massless Goldstone bosons in Coulomb systems and in gauge theories is made more explicit. A subject index has been added and a number of misprints have been corrected.

Druggists' Circular and Chemical Gazette 1868

The Second Machine Age Erik Brynjolfsson 2014-10

Electroweak Interactions Peter Renton 1990-02-22 This book describes the theory of electroweak interactions, starting from a level understandable to students with only a first degree in physics. This theory, the Glashow-Salam-Weinberg (GSW) model, unifies the weak and electromagnetic forces of nature and gives a detailed description of the interactions between quarks and leptons, the basic building blocks of matter. The various experimental tests of the model that have been made and that are planned are described in detail, with reference to the fact that all results obtained so far are in agreement with the model. The interactions of quarks by the strong force, the theory of quantum chromodynamics, are also discussed. The GSW model, together with quantum chromodynamics, constitute the so-called 'standard model'. Theories proposing further unification of the forces of nature are outlined. This is a rapidly moving subject, and this up-to-date book will be of great value to researchers and beginning graduate students in high energy physics.

Moderne Physik Paul A. Tipler 2009-11-11 Endlich liegt die anschauliche und fundierte Einführung zur Modernen Physik von Paul A. Tipler und Ralph A.

Llewellyn in der deutschen Übersetzung vor. Eine umfassende Einführung in die Relativitätstheorie, die Quantenmechanik und die statistische Physik wird im ersten Teil des Buches gegeben. Die wichtigsten Arbeitsgebiete der modernen Physik - Festkörperphysik, Kern- und Teilchenphysik sowie die Kosmologie und Astrophysik - werden in der zweiten Hälfte des Buches behandelt. Zu weiteren zahlreichen Spezialgebieten gibt es Ergänzungen im Internet beim Verlag der amerikanischen Originalausgabe, die eine Vertiefung des Stoffes ermöglichen. Mit ca. 700 Übungsaufgaben eignet sich das Buch hervorragend zum Selbststudium sowie zur Begleitung einer entsprechenden Vorlesung. Die Übersetzung des Werkes übernahm Dr. Anna Schleitzer. Die Bearbeitung und Anpassung an Anforderungen deutscher Hochschulen wurde von Prof. Dr. G. Czycholl, Prof. Dr. W. Dreybrodt, Prof. Dr. C. Noack und Prof. Dr. U. Strohbusch durchgeführt. Dieses Team gewährleistet auch für die deutsche Fassung die wissenschaftliche Exaktheit und Stringenz des Originals.

Photon-Atom Interactions Mitchel Weissbluth 1989-05-12 This book provides an introduction to the body of theory shared by several branches of modern optics--nonlinear optics, quantum electronics, laser physics, and quantum optics--with an emphasis on quantum and statistical aspects. It is intended for well prepared undergraduate and graduate students in physics, applied physics, electrical engineering, and chemistry who seek a level of preparation of sufficient maturity to enable them to follow the specialized literature.

Warum ist E = mc2? Brian Cox 2015-12-04 E = mc2 ist die berühmteste Formel der Welt. Mit ihr brachte Einstein es auf den Punkt: Energie und Masse sind zwei Seiten derselben Medaille und die Lichtgeschwindigkeit c ist ihr Wechselkurs. Doch warum besteht dieses so einfache Verhältnis? Wie ist Albert Einstein zu diesem Schluss gekommen? Und welche Folgen für das Verständnis des Universums ergeben sich daraus? Brian Cox, Professor für Physik und in England durch seine Sendungen auf BBC sehr bekannt, hat sich zusammen mit seinem Kollegen Jeff Forshaw, Professor für theoretische Physik, die scheinbar einfache Einstein-Gleichung vorgenommen, um sie mit viel Energie ausführlich und verständlich zu erklären.

Grounded theory Barney G. Glaser 2010 Der Klassiker über den qualitativen Forschungsansatz der "Grounded Theory", geschrieben von den Entwicklern dieser Methode "Obwohl unser Buch sich in erster Linie an Soziologen richtet, glauben wir, dass es jedem nutzen kann, der daran interessiert ist, soziale Phänomene zu untersuchen politischer, pädagogischer, wirtschaftlicher, industrieller oder welcher Art auch immer." In der Tat ist "Grounded Theory" quer durch die wissenschaftlichen Disziplinen zum Standardbegriff der qualitativen Sozialforschung ge - worden. Die inzwischen zum Klassiker avancierte Arbeit von Glaser und Strauss eröffnet eine lehrbare und auch lernbare Forschungsstrategie. Das Konzept bietet eine Antwort auf das Problem, die oft schmerzlich empfundene Lücke zwischen empirischer Forschung und Theorie zu schliessen.

Energy Research Abstracts 1988 Includes all works deriving from DOE, other related government-sponsored information and foreign nonnuclear information.

The Power of Implicit Theories for Learning in Different Educational Contexts Yves Karlen 2021-12-20

Cumulative Author Index to Psychological Abstracts 1978

Planetary Ring Systems Matthew S. Tiscareno 2018-03-22 Planetary rings are among the most intriguing structures of our solar system and have fascinated generations of astronomers. Collating emerging knowledge in the field, this volume reviews our current understanding of ring systems with reference to the rings of Saturn, Uranus, Neptune, and more. Written by leading experts, the history of ring research and the basics of ring-particle orbits is followed by a review of the known planetary ring systems. All aspects of ring system science are described in detail, including specific dynamical processes, types of structures, thermal properties and their origins, and investigations using computer simulations and laboratory experiments. The concluding chapters discuss the prospects of future missions to planetary rings, the ways in which ring science informs and is informed by the study of other astrophysical disks, and a perspective on the field's future. Researchers of all levels will benefit from this thorough and engaging presentation.

Soviet Astronomy 1986

Standardisierung zwischen Kooperation und Wettbewerb Jens Kleinemeyer 1998

Rechnerarchitektur : Von der digitalen Logik zum Parallelrechner Andrew S. Tanenbaum 2014

Freie Kultur Lawrence Lessig 2006

Fundamental Controls on Fluid Flow in Carbonates S.M. Agar 2015-02-02 This volume highlights key challenges for fluid-flow prediction in carbonate reservoirs, the approaches currently employed to address these challenges and developments in fundamental science and technology. The papers span methods and case studies that highlight workflows and emerging technologies in the fields of geology, geophysics, petrophysics, reservoir modelling and computer science. Topics include: detailed pore-scale studies that explore fundamental processes and applications of imaging and flow modelling at the pore scale; case studies of diagenetic processes with complementary perspectives from reactive transport modelling; novel methods for rock typing; petrophysical studies that investigate the impact of diagenesis and fault-rock properties on acoustic signatures; mechanical modelling and seismic imaging of faults in carbonate rocks; modelling geological influences on seismic anisotropy; novel approaches to geological modelling; methods to represent key geological details in reservoir simulations and advances in computer visualization, analytics and interactions for geoscience and engineering.

Scientific and Technical Aerospace Reports 1974-10

Rubber and Rubber Balloons Ingo Müller 2004-03-25 Experiments with rubber balloons and rubber sheets have led to surprising observations, some of them

hitherto unknown or not previously described in the literature. In balloons, these phenomena are due to the non-monotonic pressure-radius characteristic which makes balloons a subject of interest to physicists engaged in stability studies. Here is a situation in which symmetry breaking and hysteresis may be studied analytically, because the stress-stretch relations of rubber - and its non-convex free energy - can be determined explicitly from the kinetic theory of rubber and from non-linear elasticity. Since rubber elasticity and the elasticity of gases are both entropy-induced, a rubber balloon represents a compromise between the entropic tendency of a gas to expand and the entropic tendency of rubber to contract. Thus rubber and rubber balloons furnish instructive paradigms of thermodynamics. This monograph treats the subject at a level appropriate for post-graduate studies.

Das egoistische Gen Richard Dawkins 2014-06-20 p"Ein auch heute noch bedeutsamer Klassiker" Daily Express Sind wir Marionetten unserer Gene? Nach Richard Dawkins´ vor über 30 Jahren entworfenen und heute noch immer provozierender These steuern und dirigieren unsere von Generation zu Generation weitergegebenen Gene uns, um sich selbst zu erhalten. Alle biologischen Organismen dienen somit vor allem dem Überleben und der Unsterblichkeit der Erbanlagen und sind letztlich nur die "Einweg-Behälter" der "egoistischen" Gene. Sind wir Menschen also unserem Gen-Schicksal hilflos ausgeliefert? Dawkins bestreitet dies und macht uns Hoffnung: Seiner Meinung nach sind wir nämlich die einzige Spezies mit der Chance, gegen ihr genetisches Schicksal anzukämpfen.

Pfadintegrale in Quantenmechanik, Statistik und Polymerphysik Hagen Kleinert 1993

Quantenmechanik: Das Theoretische Minimum Leonard Susskind 2020-01-03 Was sind die Prinzipien der Quantenmechanik? Wie funktioniert Verschränkung? Was besagt das Bellsche Theorem? Mit diesem Buch gehen Leonard Susskind und Art Friedman eine Herausforderung an, die jeder Physik-Fan bewältigen will: die Quantenmechanik. Begeisterte Physik-Amateure bekommen die notwendige Mathematik und die Formeln an die Hand, die sie für ein wirkliches Verständnis benötigen. Mit glasklaren Erklärungen, witzigen und hilfreichen Dialogen und grundlegenden Übungen erklären die Autoren nicht alles, was es über Quantenmechanik zu wissen gibt - sondern alles Wichtige.

American Journal of Physics 1986

Literature 1975, Part 2 Siegfried Böhme 2013-03-14

Assessing the Playing Field Camille Stoll-Davey 2007 Full participation by small and developing countries in the financial services sector requires a "level playing field". This work analyses debates on this issue between the OECD and small and developing countries, and suggests ways to ensure fairness in international taxation matters.