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KEY=2014 - BRAEDON CLARENCE

Physics and Literature

Concepts – Transfer – Aestheticization

Walter de Gruyter GmbH & Co KG DIE REIHE: LITERATUR- UND NATURWISSENSCHAFTEN entsteht unter Federführung des Erlanger Forschungszentrums für Literatur- und Naturwissenschaften (ELINAS). Experten unterschiedlicher Fachkulturen führen darin ihre Methoden zusammen und fragen sowohl nach den Funktionen der Sprache in der naturwissenschaftlichen Forschung als auch nach den Verfahren der Modellierung naturwissenschaftlicher Erkenntnisse in der Literatur. Die Reihe versteht sich als ein interdisziplinäres Forum zur Reflexion der kulturellen Bedeutung natur- und literaturwissenschaftlicher Forschung sowie zur Ethik und Rhetorik wissenschaftlicher Argumentation.

Quantum Interaction

8th International Conference, QI 2014, Filzbach, Switzerland, June 30 -- July 3, 2014.

Revised Selected Papers

Springer This book constitutes the refereed proceedings of the 8th International Conference on Quantum Interaction, QI 2014, held in Filzbach, Switzerland, in June/July 2014. The 19 papers together with 20 invited keynotes presented in this book were carefully selected from 22 submissions. Quantum Interaction has developed into an emerging interdisciplinary area of science combining research topics in fundamental issues, semantic and memory, decision making, games, politics and social aspects, non-locality and entanglement.

Advancing Culturally Responsive Research and Researchers

Qualitative, Quantitative, and Mixed Methods

Taylor & Francis Advancing Culturally Responsive Research and Researchers: Qualitative, Quantitative, and Mixed Methods encourages readers to design and engage in methodologies and methods that place cultural relevancy at the center of inquiry. In doing so, it highlights the need to uplift voices and needs of people who have been historically marginalized in the environments that we both inhabit and engage in as part of knowledge construction. The scholars whose work is featured in this volume take up research from different paradigmatic, ontological, epistemological, axiological, and methodological approaches – yet, with adherence to centering cultural responsiveness in all research decisions. Each chapter seeks to extend understandings of social inequities, methodologies, and/or methods – and to contribute to meaningful and evolving social change through innovative and cutting-edge research strategies. While doing this work, the authors illustrate and highlight the importance of researcher positions and reflexivity in supporting the expansion of culturally responsive approaches; they also do so while considering global sociopolitical conditions of this moment in time. The contributions to this volume were initially presented at the first biennial Advanced Methods Institute in 2021. The Institute was hosted by QualLab in The Ohio State University's College of Education and Human Ecology and shared this volume's thematic focus. As a handbook, the volume can help faculty and advanced researchers with interest in doing culturally responsive projects to better understand frameworks, approaches, and considerations for doing so. It includes activities to support readers in developing said understandings.

Universal Access in Human-Computer Interaction: Universal Access to Information and Knowledge

8th International Conference, UAHCI 2014, Held as Part of HCI International 2014, Heraklion, Crete, Greece, June 22-27, 2014, Proceedings, Part II

Springer The four-volume set LNCS 8513-8516 constitutes the refereed proceedings of the 8th International Conference on Universal Access in Human-Computer Interaction, UAHCI 2014, held as part of the 16th International Conference on Human-Computer Interaction, HCI 2014, held in Heraklion, Crete, Greece in June 2014, jointly with 14 other thematically similar conferences. The total of 1476 papers and 220 posters presented at the HCI 2014 conferences was carefully reviewed and selected from 4766 submissions. These papers address the latest research and development efforts and highlight the human aspects of design and use of computing systems. The papers thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas. The total of 251 contributions included in the UAHCI proceedings were carefully reviewed and selected for inclusion in this four-volume set. The 65 papers included in this volume are organized in the following topical sections: access to mobile interaction; access to text, documents and media; access to education and learning; access to games and ludic engagement and access to culture.

Alexander of Aphrodisias and the Text of Aristotle's Metaphysics

Lulu Press, Inc Alexander of Aphrodisias's commentary (about AD 200) is the earliest extant commentary on Aristotle's Metaphysics and the most important indirect witness to the Metaphysics text. In this study, Mirjam Kotwick demonstrates how to reconstruct from Alexander's commentary the Metaphysics text Alexander used and how to make use of this ancient version of the Metaphysics for improving the text of our direct manuscript tradition. Moreover, Kotwick investigates how Alexander's commentary may have influenced the transmission of the Metaphysics at various stages. Kotwick's study is the first book-length examination of a commentary as a witness to an ancient philosophical text. This blend of textual criticism and philosophical analysis both expands on existing methodologies in classical scholarship and develops new ones.

UK Wind Energy Technologies

Routledge Phase 1 of the EPSRC SUPERGEN Wind programme began in March 2006 and work continued under Phase 2 until March 2014. The strategic aim was to re-establish a strong research community in wind energy technologies, across the UK's leading academic and industrial research organisations. UK Wind Energy Technologies gives a comprehensive overview of the range of wind energy research undertaken in the UK under Phases 1 & 2 to achieve this goal. Specific topics covered in the book include: wind resource assessment, turbine array layout, environmental interactions, control of turbines, drive train reliability and condition monitoring, turbine array electrical connection, power transmission to grid, assessment of operations and maintenance strategies, and the analysis of turbine foundations and structures. Since the completion of Phase 2 the Supergen Wind consortium partners have formed a networking Hub, which is now the principal national coordinating body for academic research into wind energy in the UK. This book will be of interest to researchers and engineers from industry and academia and also provides workers from other countries with an overview of the range of activity within the UK resulting from the SUPERGEN Wind programme to date.

Military Review

Die Massnahme

das Exemplar eines Kritikers von der Uraufführung am 13.12.1930

How Humans Recognize Objects: Segmentation, Categorization and Individual Identification

Frontiers Media SA Human beings experience a world of objects: bounded entities that occupy space and persist through time. Our actions are directed toward objects, and our language describes objects. We categorize objects into kinds that have different typical properties and behaviors. We regard some kinds of objects – each other, for example – as animate agents capable of independent experience and action, while we regard other kinds of objects as inert. We re-identify objects, immediately and without conscious deliberation, after days or even years of non-observation, and often following changes in the features, locations, or contexts of the objects being re-identified. Comparative, developmental and adult observations using a variety of approaches and methods have yielded a detailed understanding of object detection and recognition by the visual system and an advancing understanding of haptic and auditory information processing. Many fundamental questions, however, remain unanswered. What, for example, physically constitutes an “object”? How do specific, classically-characterizable object boundaries emerge from the physical dynamics described by quantum theory, and can this emergence process be described independently of any assumptions regarding the perceptual capabilities of observers? How are visual motion and feature information combined to create object information? How are the object trajectories that indicate persistence to human observers implemented, and how are these trajectory representations bound to feature representations? How, for example, are point-light walkers recognized as single objects? How are conflicts between trajectory-driven and feature-driven identifications of objects resolved, for example in multiple-object tracking situations? Are there separate “what” and “where” processing streams for haptic and auditory perception? Are there haptic and/or auditory equivalents of the visual object file? Are there equivalents of the visual object token? How are object-identification conflicts between different perceptual systems resolved? Is the common assumption that “persistent object” is a fundamental innate category justified? How does the ability to identify and categorize objects relate to the ability to name and describe them using language? How are features that an individual object had in the past but does not have currently represented? How are categorical constraints on how objects move or act represented, and how do such constraints influence categorization and the re-identification of individuals? How do human beings re-identify objects, including each other, as persistent individuals across changes in location, context and features, even after gaps in observation lasting months or years? How do human capabilities for object categorization and re-identification over time relate to those of other species, and how do human infants develop these capabilities? What can modeling approaches such as cognitive robotics tell us about the answers to these questions? Primary research reports, reviews, and hypothesis and theory papers addressing questions relevant to the understanding of perceptual object segmentation, categorization and individual identification at any scale and from any experimental or modeling perspective are solicited for this Research Topic. Papers that review particular sets of issues from multiple disciplinary perspectives or that advance integrative hypotheses or models that take data from multiple experimental approaches into account are especially encouraged.

National 5 Physics

Leckie & Leckie The National 5 Physics Student Book helps map your route through the CfE programme and provides comprehensive and authoritative guidance for the whole course. Student Books give a practical, supportive approach to help deliver the new curriculum and offer an appropriate blend of sound teaching and learning with exam and assessment guidance.

Historical Guide to World Media Freedom

A Country-by-Country Analysis

CQ Press Scholars of international relations and international communications view the extent of media freedom from country to country as a key comparative indicator either by itself or in correlation with other indices of national political and economic development. This indicator serves as a bellwether for gauging the health and spread of democracy. Historical Guide to World Media Freedom brings together comprehensive historical data on media freedom since World War II, providing consistent and comparable measures of media freedom in all independent countries for the years 1948 to the present. The work also includes country-by-country summaries, analyses of historical and regional trends in media freedom, and extensive reliability analyses of media freedom measures. The book’s detailed information helps researchers connect historical measures of media freedom to Freedom House’s annual Freedom of the Press survey release, enabling them to extend their studies back before the 1980s when Freedom House began compiling global press freedom measures. Key Features: A-to-Z, country-by-country summaries of the ebb and flow of media freedom are paired with national media freedom measures over time. Introductory chapters discuss such topics as the theoretical premises behind the nature and importance of media freedom, historical trends, and the challenges of coding for media freedom in a way that ensures consistency for comparison. Concluding material covers the historical patterns in media freedom, how media freedom tracks with other cross-national indicators, and more. Accessible to students and scholars alike, this groundbreaking reference is essential to collections in political science, international studies, and journalism and communications.

Cosmos, Values, and Consciousness in Latin American Digital Culture

Springer Nature This book understands digital cultural production of electronic literatures and digital art by looking at electronic and digital works that produce subjective positionality, clouded knowledges of quantum theories, and metaphysical patterns grounded in a cultural ideology. This book underlines a conceptual framework for understanding how digital media impacts reading, approaching, and even interpreting social reality. The qualitative analyses interpret the current zeitgeist, and the works selected speak of the diverse, sometimes regionalized, and often multi-ethnic reality of the Latin American experience. The analyses elaborate on how artists reflect both the world they live in and a universal consciousness. These artists are not simply “digitalizing literature,” and these works are more than techy creations; rather, they make us think of other directions and connections.

Computational Science – ICCS 2020

20th International Conference, Amsterdam, The Netherlands, June 3–5, 2020,

Proceedings, Part IV

Springer Nature The seven-volume set LNCS 12137, 12138, 12139, 12140, 12141, 12142, and 12143 constitutes the proceedings of the 20th International Conference on Computational Science, ICCS 2020, held in Amsterdam, The Netherlands, in June 2020.* The total of 101 papers and 248 workshop papers presented in this book set were carefully reviewed and selected from 719 submissions (230 submissions to the main track and 489 submissions to the workshops). The papers were organized in topical sections named: Part I: ICCS Main Track Part II: ICCS Main Track Part III: Advances in High-Performance Computational Earth Sciences: Applications and Frameworks; Agent-Based Simulations, Adaptive Algorithms and Solvers; Applications of Computational Methods in Artificial Intelligence and Machine Learning; Biomedical and Bioinformatics Challenges for Computer Science Part IV: Classifier Learning from Difficult Data; Complex Social Systems through the Lens of Computational Science; Computational Health; Computational Methods for Emerging Problems in (Dis-)Information Analysis Part V: Computational Optimization, Modelling and Simulation; Computational Science in IoT and Smart Systems; Computer Graphics, Image Processing and Artificial Intelligence Part VI: Data Driven Computational Sciences; Machine Learning and Data Assimilation for Dynamical Systems; Meshfree Methods in Computational Sciences; Multiscale Modelling and Simulation; Quantum Computing Workshop Part VII: Simulations of Flow and Transport: Modeling, Algorithms and Computation; Smart Systems; Bringing Together Computer Vision, Sensor Networks and Machine Learning; Software Engineering for Computational Science; Solving Problems with Uncertainties; Teaching Computational Science; UNcertainty QUantificatiOn for Computational modelS *The conference was canceled due to the COVID-19 pandemic.

Qualitative Research & Evaluation Methods

Integrating Theory and Practice

SAGE Publications Drawing on more than 40 years of experience conducting applied social science research and program evaluation, author Michael Quinn Patton has crafted the most comprehensive and systematic book on qualitative research and evaluation methods, inquiry frameworks, and analysis options available today. Now offering more balance between applied research and evaluation, this Fourth Edition of Qualitative Research & Evaluation Methods illuminates all aspects of qualitative inquiry through new examples, stories, and cartoons; more than a hundred new summarizing and synthesizing exhibits; and a wide range of new highlight sections/sidebars that elaborate on important and emergent issues. For the first time, full case studies are included to illustrate extended research and evaluation examples. In addition, each chapter features an extended “rumination,” written in a voice and style more emphatic and engaging than traditional textbook style, about a core issue of persistent debate and controversy.

NCERT Exemplar Physics Class 12th

Arihant Publication India Limited NCERT Exemplar Problems - Solutions Physics (Class 12) is a comprehensive book for students of standard XII studying in schools affiliated to the Central Board of Secondary Education. The book comprises chapters on electric charges and fields, electrostatic potential and capacitance, current electricity, magnetism and matter, alternating current, electromagnetic waves, wave optics and dual nature of radiation and matter. In addition, the book consists of several multiple choice questions for thorough revision and final practice. This book is essential for students preparing for various engineering entrance examinations.

Galileo and His Sources

Heritage of the Collegio Romano in Galileo's Science

Princeton University Press William A. Wallace demonstrates the importance of two early manuscripts of Galileo dismissed by earlier researchers as juvenile exercises. Analyzing all his scientific writings from the late 1580s to 1610 and from 1610 to 1640, this book illuminates both the sources and the evolution of Galileo's thought. Originally published in 1984. The Princeton Legacy Library uses the latest print-on-demand technology to again make available previously out-of-print books from the distinguished backlist of Princeton University Press. These editions preserve the original texts of these important books while presenting them in durable paperback and hardcover editions. The goal of the Princeton Legacy Library is to vastly increase access to the rich scholarly heritage found in the thousands of books published by Princeton University Press since its founding in 1905.

Medical Image Computing and Computer Assisted Intervention – MICCAI 2022

25th International Conference, Singapore, September 18–22, 2022, Proceedings, Part VII

Springer Nature The eight-volume set LNCS 13431, 13432, 13433, 13434, 13435, 13436, 13437, and 13438 constitutes the refereed proceedings of the 25th International Conference on Medical Image Computing and Computer-Assisted Intervention, MICCAI 2022, which was held in Singapore in September 2022. The 574 revised full papers presented were carefully reviewed and selected from 1831 submissions in a double-blind review process. The papers are organized in the following topical sections: Part I: Brain development and atlases; DWI and tractography; functional brain networks; neuroimaging; heart and lung imaging; dermatology; Part II: Computational (integrative) pathology; computational anatomy and physiology; ophthalmology; fetal imaging; Part III: Breast imaging; colonoscopy; computer aided diagnosis; Part IV: Microscopic image analysis; positron emission tomography; ultrasound imaging; video data analysis; image segmentation I; Part V: Image segmentation II; integration of imaging with non-imaging biomarkers; Part VI: Image registration; image reconstruction; Part VII: Image-Guided interventions and surgery; outcome and disease prediction; surgical data science; surgical planning and simulation; machine learning – domain adaptation and generalization; Part VIII: Machine learning – weakly-supervised learning; machine learning – model interpretation; machine learning – uncertainty; machine learning theory and methodologies.

Introduction to Hydrodynamic Stability

Cambridge University Press Instability of flows and their transition to turbulence are widespread phenomena in engineering and the natural environment, and are important in applied mathematics, astrophysics, biology, geophysics, meteorology, oceanography and physics as well as engineering. This is a textbook to introduce these phenomena at a level suitable for a graduate course, by modelling them mathematically, and describing numerical simulations and laboratory experiments. The visualization of instabilities is emphasized, with many figures, and in references to more still and moving pictures. The relation of chaos to transition is discussed at length. Many worked examples and exercises for students illustrate the ideas of the text. Readers are assumed to be fluent in linear algebra, advanced calculus, elementary theory of ordinary differential equations, complex variables and the elements of fluid mechanics. The book is aimed at graduate students but will also be very useful for specialists in other fields.

Thinking with Feeling

Fostering productive thought in the classroom

Routledge Are emotions good or bad for thinking and learning? Have you ever wondered why a good lesson of one year falls flat in another? Why do students behave the way they do? Teachers are expected to foster productive thought yet the neglect of emotion in the classroom, in favour of intellect, means teaching and learning is often not as effective as it might be. Thinking with Feeling explores what we mean by productive thought, its interrelationship with mood and emotions, how teachers can manage that interaction to improve teaching and learning, and what teacher trainers could do about it. Synthesising the most important international research in the field, it offers a framework for productive, purposeful thought - deduction, understanding, creative thinking, wise thinking, and critical thinking - and explains how mood and emotion can support and also impede learning. It considers the effect of the interplay of emotion and intellect on classroom behaviour, on students' public performance and performance in tests, and how emotional labour can affect the teacher. Illustrated with examples from practice, this challenging, thoughtful study offers education professionals a basis for understanding the interaction of emotions and cognition and making it a successful partnership in order to improve teaching and learning.

Physical Science

Questions and Answers

Passbooks The DSST Subject Standardized Tests are comprehensive college and graduate level examinations given by the Armed Forces, colleges and graduate schools. These exams enable students to earn college credit for what they have learned through self-study, on the job, or by other non-traditional means. The DSST Physical Science Passbook® prepares candidates for the DSST exam, which enables schools to award credit for knowledge acquired outside the normal classroom environment. It provides a series of informational texts as well as hundreds of questions and answers in the areas that will likely be covered on your upcoming exam, including but not limited to: physics; electricity and magnetism; matter; chemical reactions; atomic structure; and more.

Marketing Theory

Foundations, Controversy, Strategy, and Resource-advantage Theory

Routledge One of the true classics in Marketing is now thoroughly revised and updated. "Marketing Theory" is both evolutionary and revolutionary. As in earlier editions, Shelby Hunt focuses on the marketing discipline's multiple stakeholders. He articulates a philosophy of science-based 'tool kit' for developing and analyzing theories, law-like generalizations, and explanations in marketing science. Hunt adds a new dimension to the book, however, by developing arguments for the position that Resource-Advantage Theory provides the foundation for a general theory of marketing and a theoretical foundation for business and marketing strategy. Also new to this edition are four chapters adapted and updated from Hunt's "Controversy in Marketing Theory" that analyze the 'philosophy debates' within the field, including controversies with respect to scientific realism, qualitative methods, truth, and objectivity.

Unfinished Discussion About God

Trafford Publishing It is about you and me About us. About HIM About empty spaces and immortality About shooting stars and the world upside down; It is about questions and answers; about curiosity. It is a journey in time and space, into the reason of (pro-?) creation, and the miracle of to be It is a journey into the unknown into the inner part of you It is about what some would call it soul, or consciousness and other would call it "advanced wave beam", matter or antimatter. Quantum physics, probably. It is about the moment when the soul opens, when the time has come. About that moment you can either anticipate or program. It just happens And all of our feelings are in resonance with the stars It is about the beginning and the end About the mystery of love But above all it is about YOU and ME

Intraoperative Imaging and Image-Guided Therapy

Springer Science & Business Media Image-guided therapy (IGT) uses imaging to improve the localization and targeting of diseased tissue and to monitor and control treatments. During the past decade, image-guided surgeries and image-guided minimally invasive interventions have emerged as advances that can be used in place of traditional invasive approaches. Advanced imaging technologies such as magnetic resonance imaging (MRI), computed tomography (CT), and positron emission tomography (PET) entered into operating rooms and interventional suites to complement already-available routine imaging devices like X-ray and ultrasound. At the same time, navigational tools, computer-assisted surgery devices, and image-guided robots also became part of the revolution in interventional radiology suites and the operating room. Intraoperative Imaging and Image-Guided Therapy explores the fundamental, technical, and clinical aspects of state-of-the-art image-guided therapies. It presents the basic concepts of image guidance, the technologies involved in therapy delivery, and the special requirements for the design and construction of image-guided operating rooms and interventional suites. It also covers future developments such as molecular imaging-guided surgeries and novel innovative therapies like MRI-guided focused ultrasound surgery. IGT is a multidisciplinary and multimodality field in which teams of physicians, physicists, engineers, and computer scientists collaborate in performing these interventions, an approach that is reflected in the organization of the book. Contributing authors include members of the National Center of Image-Guided Therapy program at Brigham and Women's Hospital and international leaders in the field of IGT. The book includes coverage of these topics: - Imaging methods, guidance technologies, and the therapy delivery systems currently used or in development. - Clinical applications for IGT in various specialties such as neurosurgery, ear-nose-and-throat surgery, cardiovascular surgery, endoscopies, and orthopedic procedures. - Review and comparison of the clinical uses for IGT with conventional methods in terms of invasiveness, effectiveness, and outcome. - Requirements for the design and construction of image-guided operating rooms and interventional suites.

Soft Machines

Nanotechnology and Life

Oxford University Press Enthusiasts look forward to a time when tiny machines reassemble matter and process information but is their vision realistic? 'Soft Machines' explains why the nanoworld is so different to the macro-world that we are all familiar with and shows how it has more in common with biology than conventional engineering.

Physics in Nuclear Medicine

Elsevier Health Sciences Physics in Nuclear Medicine - by Drs. Simon R. Cherry, James A. Sorenson, and Michael E. Phelps - provides current, comprehensive guidance on the physics underlying modern nuclear medicine and imaging using radioactively labeled tracers. This revised and updated fourth edition features a new full-color layout, as well as the latest information on instrumentation and technology. Stay current on crucial developments in hybrid imaging (PET/CT and SPECT/CT), and small animal imaging, and benefit from the new section on tracer kinetic modeling in neuroreceptor imaging. What's more, you can reinforce your understanding with graphical animations online at www.expertconsult.com, along with the fully searchable text and calculation tools. Master the physics of nuclear medicine with thorough explanations of analytic equations and illustrative graphs to make them accessible. Discover the technologies used in state-of-the-art nuclear medicine imaging systems Fully grasp the process of emission computed tomography with advanced mathematical concepts presented in the appendices. Utilize the extensive data in the day-to-day practice of nuclear medicine practice and research. Tap into the expertise of Dr. Simon Cherry, who contributes his cutting-edge knowledge in nuclear medicine instrumentation. Stay current on the latest developments in nuclear medicine technology and methods New sections to learn about hybrid imaging (PET/CT and SPECT/CT) and small animal imaging. View graphical animations online at www.expertconsult.com, where you can also access the fully searchable text and calculation tools. Get a better view of images and line art and find information more easily thanks to a brand-new, full-color layout. The perfect reference or textbook to comprehensively review physics principles in nuclear medicine.

An Introduction to Neural Networks

CRC Press Though mathematical ideas underpin the study of neural networks, the author presents the fundamentals without the full mathematical apparatus. All aspects of the field are tackled, including artificial neurons as models of their real counterparts; the geometry of network action in pattern space; gradient descent methods, including back-propagation; associative memory and Hopfield nets; and self-organization and feature maps. The traditionally difficult topic of adaptive resonance theory is clarified within a hierarchical description of its operation. The book also includes several real-world examples to provide a concrete focus. This should enhance its appeal to those involved in the design, construction and management of networks in commercial environments and who wish to improve their understanding of network simulator packages. As a comprehensive and highly accessible introduction to one of the most important topics in cognitive and computer science, this volume should interest a wide range of readers, both students and professionals, in cognitive science, psychology, computer science and electrical engineering.

NCERT Exemplar Chemistry Class 11th

Arihant Publication India Limited NCERT Exemplar Chemistry Problems - Solutions (Class 11) is a comprehensive book for students of standard XI studying in schools affiliated to the Central Board of Secondary Education. The book comprises chapters on structure of atom, classification of elements and periodicity of properties, chemical bonding and molecular structure, states of matter, equilibrium, redox reactions and hydrocarbons. In addition, the book consists of several solved examples for thorough revision and final practice.

An Introduction to Numerical Methods and Analysis

John Wiley & Sons Praise for the First Edition "... outstandingly appealing with regard to its style, contents, considerations of requirements of practice, choice of examples, and exercises." —Zentrablatt Math "... carefully structured with many detailed worked examples ..." —The Mathematical Gazette "... an up-to-date and user-friendly account ..." —Mathematika An Introduction to Numerical Methods and Analysis addresses the mathematics underlying approximation and scientific computing and successfully explains where approximation methods come from, why they sometimes work (or don't work), and when to use one of the many techniques that are available. Written in a style that emphasizes readability and usefulness for the numerical methods novice, the book begins with basic, elementary material and gradually builds up to more advanced topics. A selection of concepts required for the study of computational mathematics is introduced, and simple approximations using Taylor's Theorem are also treated in some depth. The text includes exercises that run the gamut from simple hand computations, to challenging derivations and minor proofs, to programming exercises. A greater emphasis on applied exercises as well as the cause and effect associated with numerical mathematics is featured throughout the book. An Introduction to Numerical Methods and Analysis is the ideal text for students in advanced undergraduate mathematics and engineering courses who are interested in gaining an understanding of numerical methods and numerical analysis.

The Wiley Blackwell Handbook of Operant and Classical Conditioning

John Wiley & Sons This combined survey of operant and classical conditioning provides professional and academic readers with an up-to-date, inclusive account of a core field of psychology research, with in-depth coverage of the basic theory, its applications, and current topics including behavioral economics. Provides comprehensive coverage of operant and classical conditioning, relevant fundamental theory, and applications including the latest techniques Features chapters by leading researchers, professionals, and academicians Reviews a range of core literature on conditioning Covers cutting-edge topics such as behavioral economics

Toward an Integrated Sociological Paradigm

The Search for an Exemplar and an Image of the Subject Matter

Pearson ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. Packages Access codes for Pearson's MyLab & Mastering products may not be included when purchasing or renting from companies other than Pearson; check with the seller before completing your purchase. Used or rental books If you rent or purchase a used book with an access code, the access code may have been redeemed previously and you may have to purchase a new access code. Access codes Access codes that are purchased from sellers other than Pearson carry a higher risk of being either the wrong ISBN or a previously redeemed code. Check with the seller prior to purchase. -- Updated in a new 10th edition, Essentials of American Government provides the historical context students need to understand our government and the most crucial and controversial issues affecting the nation in the 21st century. This bestselling book has been extensively revised to provide in-depth coverage of President Barack Obama's first two years in office and the 111th Congress, the 2010 congressional elections, continued concerns related to the wars in Iraq and Afghanistan, and domestic concerns related to health care reform and the economy.

Constitutiones Universitatis Cantebrigiensis

CUP Archive Dr Hackett discovered in the Angelica Library in Rome a manuscript containing a unique text of the first constitution of Cambridge University. The centrepiece of this book is a critical edition of the text with an English translation on facing pages. The importance of his discovery for historians of Cambridge and of medieval university education cannot be overestimated. The Cambridge constitutions form a complete code, promulgated at a remarkably early date (c. 1250). Dr Hackett shows that Oxford lagged more than 50 years behind Cambridge in codifying its statutes and neither Paris nor Bologna, the oldest of all universities, had a written constitution or code of laws at this time.

The Physics of Wall Street

A Brief History of Predicting the Unpredictable

Houghton Mifflin Harcourt A Harvard scholar argues that mathematical models can provide solutions to current economic challenges, explaining that the economic meltdown of 2008 was based on a misunderstanding of scientific models rather than on the models themselves.

The Language of the Chaucer Tradition

Boydell & Brewer Ltd A study of the language of Chaucerian manuscripts, printed editions and Chaucer's 15th century followers. Winner of the 2005 Beatrice White Prize for outstanding scholarly work in the field of English literature before 1590

Liberalism and the Welfare State

Economists and Arguments for the Welfare State

Oxford University Press "Many recent attacks on the welfare state are in the name of liberalism. However, the welfare state was the creation of liberals, who included many economists, as much as socialists. Focusing on economists' arguments, this book looks at the way different types of liberalism, from the early twentieth century British New Liberals, to German Ordoliberals, Japanese Liberals, and modern Neoliberals have engaged with the welfare state. It provides a comparative analysis of economists' attitudes to the welfare state in three countries, each of which had a different tradition of economic thinking and different institutions for welfare provision. This is complemented with papers on the international dimension, which explore different neoliberal visions of the relation between supra-

national institutions and the welfare state, and how neoliberals responded to the global financial crisis. An important lesson from the book is that liberalism has not been synonymous with either the "classical" Liberalism of Locke and Mill or with modern neoliberalism, but encompasses positions that are much more supportive of welfare provision by the state"--

ESRC Newsletter

Domestic Application of the ECHR

Courts as Faithful Trustees

Oxford University Press The first sustained critique of how domestic courts in the EU apply the European Convention on Human Rights and interact with the European Court of Human Rights at Strasbourg. This book considers the British, French, and German approaches to the ECHR and shows that domestic courts apply and develop the Convention faithfully and positively.

Enhancing the Effectiveness of Team Science

National Academies Press The past half-century has witnessed a dramatic increase in the scale and complexity of scientific research. The growing scale of science has been accompanied by a shift toward collaborative research, referred to as "team science." Scientific research is increasingly conducted by small teams and larger groups rather than individual investigators, but the challenges of collaboration can slow these teams' progress in achieving their scientific goals. How does a team-based approach work, and how can universities and research institutions support teams? Enhancing the Effectiveness of Team Science synthesizes and integrates the available research to provide guidance on assembling the science team; leadership, education and professional development for science teams and groups. It also examines institutional and organizational structures and policies to support science teams and identifies areas where further research is needed to help science teams and groups achieve their scientific and translational goals. This report offers major public policy recommendations for science research agencies and policymakers, as well as recommendations for individual scientists, disciplinary associations, and research universities. Enhancing the Effectiveness of Team Science will be of interest to university research administrators, team science leaders, science faculty, and graduate and postdoctoral students.

NCERT Exemplar Chemistry Class 12th

Arihant Publication India Limited NCERT Exemplar Problems - Solutions Chemistry (Class 12) is a comprehensive book for students of standard XII studying in schools affiliated to the Central Board of Secondary Education. The book comprises chapters on solid state, solution, electrochemistry, chemical kinetics, surface chemistry, p-block elements, d- and f-block elements, coordination compounds, amines, biomolecules and chemistry in everyday life. In addition, the book consists of several multiple choice questions and chemical equations for better understanding of concepts. This book is essential for students preparing for various engineering and medical entrance examinations.

Introduction to Aircraft Flight Mechanics

Performance, Static Stability, Dynamic Stability, Classical Feedback Control, and State-space Foundations

American Institute of Aeronautics & Astronautics Suitable for use in undergraduate aeronautical engineering curricula, this title is written for those first encountering the topic by clearly explaining the concepts and derivations of equations involved in aircraft flight mechanics. It also features insights about the A-10 based upon the author's career experience with this aircraft.

Confucianism

A Very Short Introduction

Oxford University Press, USA This volume shows the influence of the Sage's teachings over the course of Chinese history--on state ideology, the civil service examination system, imperial government, the family, and social relations--and the fate of Confucianism in China in the nineteenth and twentieth centuries, as China developed alongside a modernizing West and Japan. Some Chinese intellectuals attempted to reform the Confucian tradition to address new needs; others argued for jettisoning it altogether in favor of Western ideas and technology; still others condemned it angrily, arguing that Confucius and his legacy were responsible for China's feudal, "backward" conditions in the twentieth century and launching campaigns to eradicate its influences. Yet Chinese continue to turn to the teachings of Confucianism for guidance in their daily lives.