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Fundamental Astronomy Feb 20 2023 Fundamental Astronomy is a well-balanced, comprehensive introduction to classical and modern astronomy. While emphasizing both the astronomical concepts and the underlying physical principles, the text provides a sound basis for more profound studies in the astronomical sciences. This is the fifth edition of the successful undergraduate textbook and reference work. It has been extensively modernized and extended in the parts dealing with extragalactic astronomy and cosmology. You will also find augmented sections on the solar system and extrasolar planets as well as a new chapter on astrobiology. Long considered a standard text for physical science majors, Fundamental Astronomy is also an excellent reference work for dedicated amateur astronomers.

Lawyers and Fundamental Moral Responsibility Jan 07 2022 Previous edition, 1st, published in 1995.

All Meaning is Natural Mar 09 2022 It is the received philosophical view that there are two fundamentally different types of meanings: natural ones and non-natural ones. Linguistic meanings are said to be of the second sort. Properly understood however, language is a physical, biological phenomenon. Indeed, it is an evolved species. In evolutionary biology, the physical significance of items is explained by reference to the physical significance of ancestral items and to features of the biological relationship of engendering. When language is investigated along similar lines, the natural/non-natural distinction ceases to appear fundamental. More fundamental is the distinction between phenomena capable of explanation within a relatively lower order physical theory and those that require an explanatory theory of relatively higher-order. From this perspective, talk of convention or non-naturalness in linguistics resembles that of function in biology: it serves only as a conversational shorthand for higher-order explanations.

Fundamental Astronomy Feb 25 2021 Fundamental Astronomy is a well-balanced, comprehensive introduction to classical and modern astronomy. While emphasizing both the astronomical concepts and the underlying physical principles, the text provides a sound basis for more profound studies in the astronomical sciences. This is the fifth edition of the successful undergraduate textbook and reference work. It has been extensively modernized and extended in the parts dealing with extragalactic astronomy and cosmology. You will also find augmented sections on the solar system, extrasolar planets and astrobiology. Long considered a standard text for physical science majors, Fundamental Astronomy is also an excellent reference work for dedicated amateur astronomers.

The Reception of Lotman's Models of 'Agreement' and 'Self-giving' In Russian Legal Philosophy Apr 17 2020 In his famous article, " 'Agreement' and 'Self-giving' as archetypal models of culture " (1984), Lotman among other things has identified two distinctive types of archetypal models of culture - the magical one and the religious one. Each of these cultural models is characterized by a special , fundamentally different types of relationships. The main vehicle of magical model of culture is a notion of agreement which is, in the very broad meaning, regarded from within a Russian worldview as a complete antithesis to 'an unconditional act of self-giving' with the latter being a pivotal element of religious culture. Lotman's typology of archetypal models in culture compare and contrast with work done in the western legal philosophy, sociology and anthropology on the notion 'contract' , and as such it would help to explain the remarkably different routes of the evolution of Western European and Russian legal culture.

Quantum Mechanics of Fundamental Systems: The Quest for Beauty and Simplicity Sep 03 2021 This article is dedicated to Claudio Bunster on the occasion of his 60th birthday. It is a great honor to take this opportunity to express my gratitude to him, who in my opinion has been the greatest national physicist ever, for his wise guidance and intrepid support through the years. As a Chilean, I can further tell that Claudio's contributions have been well far beyond theoretical physics, helping our country to be ready to face future challenges through science. Gravity in diverse dimensions is a subject in which Claudio has done major contributions, encouraging in many ways the following work, that is being made along different fronts in collaboration with my colleagues Diego Correa, Gustavo Dotti, Julio Oliva and David Tempo.

The pursuit for wormhole solutions, which are handled in the spacetime topology, it is as old as General Relativity and it has appeared in theoretical physics within different subjects, ranging from the attempt of describing physics as pure geometry, as in the Einstein–Rosen bridge model of a particle [1], to the concept of “charge without charge” [2], as well as in different issues concerning the Euclidean approach to quantum gravity (see, e.g., [3]). More recently, the systematic study of this kind of objects was pushed forward by the works of Morris, Thorne and Yurtsever [4,5].

New Fundamental Technologies in Data Mining Jun 19 2020 The progress of data mining technology and large public popularity establish a need for a comprehensive text on the subject. The series of books entitled by "Data Mining" address the need by presenting in-depth description of novel mining algorithms and many useful applications. In addition to understanding each section deeply, the two books present useful hints and strategies to solving problems in the following chapters. The contributing authors have highlighted many future research directions that will foster multi-disciplinary collaborations and hence will lead to significant development in the field of data mining.

Contingency and Natural Order in Early Modern Science Aug 02 2021 This volume considers contingency as a historical category resulting from the combination of various intellectual elements – epistemological, philosophical, material, as well as theological and, broadly speaking, intellectual. With contributions ranging from fields as diverse as the histories of physics, astronomy, astrology, medicine, mechanics, physiology, and natural philosophy, it explores the transformation of the notion of contingency across the late-medieval, Renaissance, and the early modern period. Underpinned by a necessitated vision of nature, seventeenth century mechanism widely identified apparent natural irregularities with the epistemological limits of a certain explanatory framework. However, this picture was preceded by, and in fact emerged from, a widespread characterization of contingency as an ontological trait of nature, typical of late-Scholastic and Renaissance science. On these bases, this volume shows how epistemological categories, which are preconditions of knowledge as “historically-situated a priori” and, seemingly, self-evident, are ultimately rooted in time. Contingency is intrinsic to scientific practice. Whether observing the behaviour of a photon, diagnosing a patient, or calculating the orbit of a distant planet, scientists face the unavoidable challenge of dealing with data that differ from their models and expectations. However, epistemological categories are not fixed in time. Indeed, there is something fundamentally different in the way an Aristotelian natural philosopher defined a wonder or a “monstrous” birth as “contingent”, a modern scientist defines the unexpected result of an experiment, and a quantum physicist the behavior of a photon. Although to each inquirer these instances appeared self-evidently contingent, each also employs the concept differently.

The Fundamental Concept of Crime in International Criminal Law Sep 22 2020 This book examines the rapid development of the fundamental concept of a crime in international criminal law from a comparative law perspective. In this context, particular thought has been given to the catalyzing impact of the criminal law theory that has developed in major world legal systems upon the crystallization of the substantive part of international criminal law. This study offers a critical overview of international and domestic jurisprudence with regard to the construal of the concept of a crime (actus reus, mens rea, defences, modes of liability) and exposes roots of confusion in international criminal law through a comprehensive comparative analysis of substantive criminal laws in selected legal jurisdictions.

Fundamental Algorithms for Computer Graphics Mar 17 2020 Algorithms provide the basic foundation for all computational processes. This volume presents algorithms at the foundational level and also at the various levels between this level and the user application. Some of these algorithms are classical and have become well established in the field. This material is therefore a rich source of information and is still relevant and up to date. The basic primitives of computer graphics have remained unchanged: lines, circles, conics, curves and characters. This volume contains reference material in all these areas. The higher levels of contouring and surface drawing are also well covered. Developments in hardware architectures have continued since the first printing, but the basic principles of hardware/software trade-offs remain valid. This reprint is being published as a Study Edition to make the material more accessible to students and researchers in the field of computer graphics and its applications. The continuing popularity of the original book demonstrates the value and timeliness of its contents.

The Destiny of the Mind, East and West Dec 06 2021 William Haas (1883-1956) was born in Nuremberg and received his PhD. at Munich in 1910. He traveled widely throughout the Middle East and taught at universities in Germany, Iran and the United States. After a lifetime studying the thoughts and cultures of the East, he formulated the thesis laid out here in his final book: that East and West are not mere geographical or even racial distinctions, but two radically different types of consciousness, two fundamentally different orientations and ways of thinking. "Professor Haas attacks-and I believe, demolishes-an assumption that underlies almost all modern theories of history: that the minds of all human beings, if not defective or disordered, work in essentially the same way. ... [He] has, I believe, done for the study of comparative

history what Böhr did for atomic physics." - Revilo Oliver

Fundamental Toxicology Aug 22 2020 *Fundamental Toxicology* is a concise and comprehensive review of toxicology. It is based on the highly successful *Fundamental Toxicology for Chemists* and has been enriched and expanded. Every chapter in this new edition has been revised and updated, and four new chapters have been added. With contributions from internationally recognised experts in their field, this broad-based introduction to the topic covers both well-established and rapidly developing areas of toxicology, such as toxicogenomics, reproductive toxicology, behavioural toxicology and ecotoxicology. The book was written and published with the support of the International Union of Pure and Applied Chemistry (IUPAC). The book includes new information on: risk assessment and risk management; toxicogenomics; effects of toxic substances on the human body; environmental distribution of chemicals and ecotoxicology; clinical toxicology; pharmaceutical toxicology; and aspects of laboratory measurement and safe laboratory practice. *Fundamental Toxicology* is ideal for students and includes extensive pedagogical features, such as an extensive glossary, a bibliography after each chapter and recommended further reading. It is also designed for teachers and lecturers, especially those who may be teaching toxicology for the first time. Included is a suggested curriculum for using the text to teach toxicology to students from various scientific disciplines. Professionals working in toxicology and related fields will find this an invaluable guide.

Galois Groups and Fundamental Groups May 31 2021 Table of contents

Logical Thinking in the Pyramidal Schema of Concepts: The Logical and Mathematical Elements Nov 17 2022 This new volume on logic follows a recognizable format that deals in turn with the topics of mathematical logic, moving from concepts, via definitions and inferences, to theories and axioms. However, this fresh work offers a key innovation in its 'pyramidal' graph system for the logical formalization of all these items. The author has developed this new methodology on the basis of original research, traditional logical instruments such as Porphyrian trees, and modern concepts of classification, in which pyramids are the central organizing concept. The pyramidal schema enables both the content of concepts and the relations between the concept positions in the pyramid to be read off from the graph. Logical connectors are analyzed in terms of the direction in which they connect within the pyramid. Additionally, the author shows that logical connectors are of fundamentally different types: only one sort generates propositions with truth values, while the other yields conceptual expressions or complex concepts. On this basis, strong arguments are developed against adopting the non-discriminating connector definitions implicit in Wittgensteinian truth-value tables. Special consideration is given to mathematical connectors so as to illuminate the formation of concepts in the natural sciences. To show what the pyramidal method can contribute to science, a pyramid of the number concepts prevalent in mathematics is constructed. The book also counters the logical dogma of 'false' contradictory propositions and sheds new light on the logical characteristics of probable propositions, as well as on syllogistic and other inferences.

Fundamental World of Quantum Chemistry Sep 15 2022 Per-Olov Löwdin's stature has been a symbol of the world of quantum theory during the past five decades, through his basic contributions to the development of the conceptual framework of Quantum Chemistry and introduction of the fundamental concepts; through a staggering number of regular summer schools, winter institutes, innumerable lectures at Uppsala, Gainesville and elsewhere, and Sanibel Symposia; by founding the International Journal of Quantum Chemistry and *Advances in Quantum Chemistry*; and through his vision of the possible and his optimism for the future, which has inspired generations of physicists, chemists, mathematicians, and biologists to devote their lives to molecular electronic theory and dynamics, solid state, and quantum biology. *Fundamental World of Quantum Chemistry: Volumes I, II and III* form a collection of papers dedicated to the memory of Per-Olov Löwdin. These volumes are of interest to a broad audience of quantum, theoretical, physical, biological, and computational chemists; atomic, molecular, and condensed matter physicists; biophysicists; mathematicians working in many-body theory; and historians and philosophers of natural science.

Recent Advances in Metrology and Fundamental Constants Jan 27 2021 Over the last decade of the 20th century, many improvements took place in the field of metrology and fundamental constants. These developments and improvements are discussed in this book. The old caesium SI second definition has found a new realization with the fountain approach, replacing the classical thermal atomic beam. The use of cold atom techniques, slowed down and cooled, has opened a number of unexpected avenues for metrology and fundamental constants, one of these possibilities being the atom interferometry. Another development was the demonstration of the possibility of performing a direct frequency division in the visible, using short femtosecond pulses. Many other developments are also discussed.

What is Fundamental? May 19 2020 Are there truly fundamental entities in nature? Or are the things that we regard as fundamental in our theories – for example space, time or the masses of elementary particles – merely awaiting a derivation from a new, yet to be discovered theory based on elements that are more fundamental? This was

the central question posed in the 2018 FQXi essay competition, which drew more than 200 entries from professional physicists, philosophers, and other scholars. This volume presents enhanced versions of the fifteen award-winning essays, giving a spectrum of views and insights on this fascinating topic. From a prescription for “when to stop digging” to the case for strong emergence, the reader will find here a plethora of stimulating and challenging ideas - presented in a largely non-technical manner - on which to sharpen their understanding of the language of physics and even the nature of reality.

The Russia that we have preserved Oct 04 2021 Through the history of the power struggle this book analyzes how two fundamentally different types of social structures had developed in Russia and in Europe. In Russia the political system formed as a Power Pyramid in which power is based on coercive force of the state apparatus. This allowed Russia to mobilize its resources and exert influence on the world's political affairs far beyond its economic and population potential. The book examines the main features of the Russian power system, describes how it transformed and revived itself through the centuries of tumultuous Russian history, and analyses the pathways that can lead to the transition of Russia to a democratic, western-type society. This book should give the reader a new outlook on the events of Russian past and present, help to better explain the current state of affairs in Russia, and maybe help predict the future course of events.

Recent Developments in Fundamental and Applied Plankton Research Nov 24 2020

Cyclical Variability in Stellar Winds Oct 16 2022 It is well known that stellar winds are variable, and the fluctuations are often cyclical in nature. This property seems to be shared by the winds of cool and hot stars, even though their outflows are driven by fundamentally different physical mechanisms. Since very similar models have been proposed to explain the cyclical wind variations observed in a wide variety of stars, the time was ripe for astrophysicists from many different sub-disciplines to present the state of the art in a concise form. The proceedings will provide a useful, up-to-date overview of the observations, interpretation, and modelling of the time-dependent mass outflows from all sorts of stars.

FUNDAMENTAL PRINCIPLES OF GUIDED MISSILES VOLUME 4 GUIDED MISSILES GUIDANCE SYSTEMS PART B Dec 18 2022 I scanned the original manual at 600 dpi.

Fundamental Tax Reform Oct 24 2020 Papers presented at a conference held at the James A. Baker III Institute for Public Policy at Rice University, in Apr. 2006.

Fundamental Food Microbiology Dec 26 2020 Maintaining the high standard set by the previous bestselling editions, *Fundamental Food Microbiology*, Fourth Edition presents the most up-to-date information in this rapidly growing and highly dynamic field. Revised and expanded to reflect recent advances, this edition broadens coverage of foodborne diseases to include many new and emerging pathogens, as well as descriptions of the mechanism of pathogenesis. An entirely new chapter on detection methods appears with evaluations of advanced rapid detection techniques using biosensors and nanotechnology. With the inclusion of many more easy-to-follow figures and illustrations, this text provides a comprehensive introductory source for undergraduates, as well as a valuable reference for graduate level and working professionals in food microbiology or food safety. Each chapter within the text's seven sections contains an introduction as well as a conclusion, references, and questions. Beginning with the history and development of the field, Part I discusses the characteristics and sources of predominant food microorganisms and their significance. Part II introduces microbial foodborne diseases, their growth and influencing factors, metabolism, and sporulation. The third Part explains the beneficial uses of microorganisms in starter cultures, biopreservation, bioprocessing, and probiotics. Part IV deals with food spoilage and methods of detection, followed by a discussion in Part V of foodborne pathogens associated with intoxication, infections, and toxicoinfections. Part VI reviews control methods with chapters on control of microbial access and removal by heat, organic acids, physical means, and combinations of methods. The final section is an in-depth look at advanced and traditional methods of microbial detection and food safety. Four appendices provide additional details on food equipment and surfaces, predictive modeling, regulatory agencies, and hazard analysis critical control points.

Principles and Challenges of Fundamental Methods in Veterinary Epidemiology and Economics Dec 14 2019

Moral Development: Fundamental research in moral development Jan 19 2023 First published in 1994. Routledge is an imprint of Taylor & Francis, an informa company.

Fundamental Food Microbiology, Fifth Edition Jul 13 2022 The golden era of food microbiology has begun. All three areas of food microbiology—beneficial, spoilage, and pathogenic microbiology—are expanding and progressing at an incredible pace. What was once a simple process of counting colonies has become a sophisticated process of sequencing complete genomes of starter cultures and use of biosensors to detect foodborne pathogens. Capturing these developments, *Fundamental Food Microbiology*, Fifth Edition broadens coverage of foodborne diseases to include new and emerging pathogens as well as descriptions of the mechanism of pathogenesis. Written by experts with approximately fifty years of combined experience, the book provides an in-depth understanding of how to reduce microbial food spoilage, improve

intervention technologies, and develop effective control methods for different types of foods. See What's New in the Fifth Edition: New chapter on microbial attachment and biofilm formation Bacterial quorum sensing during bacterial growth in food Novel application of bacteriophage in pathogen control and detection Substantial update on intestinal beneficial microbiota and probiotics to control pathogens, chronic diseases, and obesity Nanotechnology in food preservation Description of new pathogens such as Cronobacter sakazaki, E. coli O104:H4, Clostridium difficile, and Nipah Virus Comprehensive list of seafood-related toxins Updates on several new anti-microbial compounds such as polylysine, lactoferrin, lactoperoxidase, ovotransferrin, defensins, herbs, and spices Updates on modern processing technologies such as infrared heating and plasma technology Maintaining the high standard set by the previous bestselling editions, based feedback from students and professors, the new edition includes many more easy-to-follow figures and illustrations. The chapters are presented in a logical sequence that connects the information and allow students to easily understand and retain the concepts presented. These features and more make this a comprehensive introductory text for undergraduates as well as a valuable reference for graduate level and working professionals in food microbiology or food safety.

Acta Chirurgica Scandinavica Jul 21 2020

Fundamental Bacterial Genetics Apr 10 2022 Fundamental Bacterial Genetics presents a concise introduction to microbial genetics. The text focuses on one bacterial species, Escherichia coli, but draws examples from other microbial systems at appropriate points to support the fundamental concepts of molecular genetics. A solid balance of concepts, techniques and applications makes this book an accessible, essential introduction to the theory and practice of fundamental microbial genetics. FYI boxes - feature key experiments that lead to what we now know, biographies of key scientists, comparisons with other species and more. Study questions - at the end of each chapter, review and test students' knowledge of key chapter concepts. Key references - included both at chapter end and in a full reference list at the end of the book. Full Chapter on Genomics, Bioinformatics and Proteomics - includes coverage of functional genomics and microarrays. Dedicated website - animations, study resources, web research questions and illustrations downloadable for powerpoint files provide students and instructors with an enhanced, interactive experience.

Fundamental Planetary Science May 11 2022 A quantitative introduction to the Solar System and planetary systems science for advanced undergraduate students, this engaging textbook explains the wide variety of physical, chemical and geological processes that govern the motions and properties of planets. The authors provide an overview of our current knowledge and discuss some of the unanswered questions at the forefront of research in planetary science and astrobiology today. This updated edition contains the latest data, new references and planetary images and an extensively rewritten chapter on current research on exoplanets. The text concludes with an introduction to the fundamental properties of living organisms and the relationship that life has to its host planet. With more than 200 exercises to help students learn how to apply the concepts covered, this textbook is ideal for a one-semester or two-quarter course for undergraduate students.

Fundamental Food Microbiology, Third Edition Feb 14 2020 Just as the previous editions of this highly regarded text responded to the transitions of their time, the third edition reflects the current evolution of food microbiology and explores the most recent developments in the discipline. Completely revised and updated, Fundamental Food Microbiology, Third Edition includes the latest information on microbial stress response, food biopreservatives, recent pathogens of importance (such as Helicobacter pylori and BSE), and control by novel processing technologies. A new chapter addresses foodborne disease concerns in ready-to-eat foods, and an expanded chapter on microbial stress investigates the importance of stress response in foods. The book features updated coverage of spoilage bacteria in refrigerated foods, presents new sections on fresh-cut fruits and vegetables, and includes questions and selected readings at the end of each chapter. Providing comprehensive information on the interactions of microorganisms and food, this timely resource enhances understanding of food microbiology in a logical and concise manner. It will be a valuable reference for professionals and students involved in food and microbiology.

Large Plastic Deformations: Fundamental Aspects and Applications to Metal Forming Oct 12 2019 This volume covers topics involving large plastic deformation of metallic materials. These proceedings offer an overview of the synergism achieved by combining microstructural characterization and understanding, mechanical modelling and experiments, numerical analysis and computation.

Fundamental Statistics for the Social and Behavioral Sciences Nov 12 2019 Fundamental Statistics for the Social and Behavioral Sciences, Second Edition, places statistics within the research process, illustrating how they are used to answer questions and test ideas. Students learn not only how to calculate statistics, but also how to interpret and communicate the results of statistical analyses in light of a study's research hypothesis. Featuring accessible writing and well-integrated research examples, the book gives students a greater understanding of how research studies are conceived, conducted, and communicated. The Second Edition includes a new chapter on

regression; covers how collected data can be organized, presented and summarized; the process of conducting statistical analyses to test research questions, hypotheses, and issues/controversies; and examines statistical procedures used in research situations that vary in the number of independent variables in the study. Every chapter includes learning checks, such as review questions and summary boxes, to reinforce the content students just learned, and exercises at the end of every chapter help assess their knowledge. Also new to the Second Edition -- animated video tutorials! Watch the demo video from Chapter 2 now! Corrections: there are a small number of corrections for the text's Appendix posted here.

The Fourth Industrial Revolution Jun 12 2022 World-renowned economist Klaus Schwab, Founder and Executive Chairman of the World Economic Forum, explains that we have an opportunity to shape the fourth industrial revolution, which will fundamentally alter how we live and work. Schwab argues that this revolution is different in scale, scope and complexity from any that have come before. Characterized by a range of new technologies that are fusing the physical, digital and biological worlds, the developments are affecting all disciplines, economies, industries and governments, and even challenging ideas about what it means to be human. Artificial intelligence is already all around us, from supercomputers, drones and virtual assistants to 3D printing, DNA sequencing, smart thermostats, wearable sensors and microchips smaller than a grain of sand. But this is just the beginning: nanomaterials 200 times stronger than steel and a million times thinner than a strand of hair and the first transplant of a 3D printed liver are already in development. Imagine “smart factories” in which global systems of manufacturing are coordinated virtually, or implantable mobile phones made of biosynthetic materials. The fourth industrial revolution, says Schwab, is more significant, and its ramifications more profound, than in any prior period of human history. He outlines the key technologies driving this revolution and discusses the major impacts expected on government, business, civil society and individuals. Schwab also offers bold ideas on how to harness these changes and shape a better future—one in which technology empowers people rather than replaces them; progress serves society rather than disrupts it; and in which innovators respect moral and ethical boundaries rather than cross them. We all have the opportunity to contribute to developing new frameworks that advance progress.

The EU Charter of Fundamental Rights Feb 08 2022 The Charter of Fundamental Rights of the European Union enshrines the key political, social and economic rights of EU citizens and residents in EU law. In its present form it was approved in 2000 by the European Parliament, the Council of Ministers and the European Commission. However its legal status remained uncertain until the entry into force of the Treaty of Lisbon in December 2009. The Charter obliges the EU to act and legislate consistently with the Charter, and enables the EU's courts to strike down EU legislation which contravenes it. The Charter applies to EU Member States when they are implementing EU law but does not extend the competences of the EU beyond the competences given to it in the treaties. This Commentary on the Charter, the first in English, written by experts from several EU Member States, provides an authoritative but succinct statement of how the Charter impacts upon EU, domestic and international law. Following the conventional article-by-article approach, each commentator offers an expert view of how each article is either already being interpreted in the courts, or is likely to be interpreted. Each commentary is referenced to the case law and is augmented with extensive references to further reading. Six cross-cutting introductory chapters explain the Charter's institutional anchorage, its relationship to the Fundamental Rights Agency, its interaction with other parts of international human rights law, the enforcement mechanisms, extraterritorial scope, and the all-important 'Explanations'.

Fundamental Considerations in Language Testing Aug 14 2022 Offers a discussion of the basic concerns which underlie the development and use of language tests. Presenting a synthesis of research on testing, this book is useful for students on teacher education courses. It is also helpful for those professionally involved in designing and administering tests, acting as a complement to 'how to' books.

OECD Tax Policy Studies Fundamental Reform of Corporate Income Tax Nov 05 2021 Presents the recent trends in the taxation of corporate income in OECD countries, discusses the main drivers of corporate income tax reform and evaluates the gains of fundamental corporate tax reform.

Fundamental Immunology Mar 29 2021 Fundamental Immunology Seventh Edition This standard-setting textbook has defined the field of immunology since 1984, and is now in its Seventh Edition continuing to deliver the detailed, authoritative, and timely coverage readers expect. This comprehensive, up-to-date text is ideal for graduate students, post-doctoral fellows, basic and clinical immunologists, microbiologists and infectious disease physicians, and any physician treating diseases in which immunologic mechanisms play a role. Now full-color throughout the book's fully revised and updated content reflects the latest advances in the field. Current insights enhance readers' understanding of immune system function. The text's unique approach bridges the gap between basic immunology and the disease process. Extensive coverage of molecular biology explains the molecular dynamics underlying immune disorders and their treatment. Abundant illustrations and tables deliver essential

information at a glance. Plus a convenient companion website features the fully searchable text with all references linked to PubMed. Look inside and discover... * Fully revised and updated content reflects the latest advances in the field. * Current insights enhance readers' understanding of immune system function * Unique approach bridges the gap between basic immunology and the disease process. * Extensive coverage of molecular biology explains the molecular dynamics underlying immune disorders and their treatment. * Abundant illustrations and tables deliver essential information at a glance. PLUS... A convenient companion website features the fully searchable text with all references linked to PubMed. Pick up your copy today!

Fundamental Neuroscience Apr 29 2021 Fundamental Neuroscience, 3rd Edition introduces graduate and upper-level undergraduate students to the full range of contemporary neuroscience. Addressing instructor and student feedback on the previous edition, all of the chapters are rewritten to make this book more concise and student-friendly than ever before. Each chapter is once again heavily illustrated and provides clinical boxes describing experiments, disorders, and methodological approaches and concepts. Capturing the promise and excitement of this fast-moving field, Fundamental Neuroscience, 3rd Edition is the text that students will be able to reference throughout their neuroscience careers! New to this edition: 30% new material including new chapters on Dendritic Development and Spine Morphogenesis, Chemical Senses, Cerebellum, Eye Movements, Circadian Timing, Sleep and Dreaming, and Consciousness Additional text boxes describing key experiments, disorders, methods, and concepts Multiple model system coverage beyond rats, mice, and monkeys Extensively expanded index for easier referencing

Theism Jan 15 2020

An Introduction to Fundamental Rights in Europe Jul 01 2021 This is a concise and accessible introduction to fundamental rights in Europe from the perspectives of history, theory and an analysis of European jurisprudence. Key features include: • A combination of historical and philosophical approaches with analysis of significant legal cases • A multidisciplinary outlook, in contrast to the strict legal approach of most textbooks on the subject • A European perspective which refers throughout to central European values such as freedom, equality, solidarity and dignity

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