

Quantum Mind And Social Science Unifying Physical And Social Ontology

This is likewise one of the factors by obtaining the soft documents of this **Quantum Mind And Social Science Unifying Physical And Social Ontology** by online. You might not require more period to spend to go to the books inauguration as with ease as search for them. In some cases, you likewise reach not discover the message Quantum Mind And Social Science Unifying Physical And Social Ontology that you are looking for. It will agreed squander the time.

However below, subsequently you visit this web page, it will be hence categorically simple to get as with ease as download lead Quantum Mind And Social Science Unifying Physical And Social Ontology

It will not acknowledge many get older as we tell before. You can pull off it even though do something something else at house and even in your workplace. correspondingly easy! So, are you question? Just exercise just what we provide below as with ease as evaluation **Quantum Mind And Social Science Unifying Physical And Social Ontology** what you next to read!

Cognitive Choice Modeling - Zheng Joyce Wang 2021-03-09

The emerging interdisciplinary field of cognitive choice models integrates theory and recent research findings from both decision process and choice behavior. Cognitive decision processes provide the interface between the environment and brain, enabling choice behavior, and the basic cognitive mechanisms underlying decision processes are fundamental to all fields of human activity. Yet cognitive processes and choice processes are often studied separately, whether by decision theorists, consumer researchers, or social scientists. In Cognitive Choice Modeling, Zheng Joyce Wang and Jerome R. Busemeyer introduce a new cognitive modeling approach to the study of human choice behavior. Integrating recent research findings from both cognitive science and choice behavior, they lay the groundwork for the emerging interdisciplinary field of cognitive choice modeling.

Einstein and the Quantum - A. Douglas Stone 2015-10-06

The untold story of Albert Einstein's role as the father of quantum theory Einstein and the Quantum reveals for the first time the full significance of Albert Einstein's contributions to quantum theory. Einstein famously rejected quantum mechanics, observing that God does not play dice. But, in fact, he thought more about the nature of atoms, molecules, and the emission and absorption of light—the core of what we now know as quantum theory—than he did about relativity. A compelling blend of physics, biography, and the history of science, Einstein and the Quantum shares the untold story of how Einstein—not Max Planck or Niels Bohr—was the driving force behind early quantum theory. It paints a vivid portrait of the iconic physicist as he grappled with the apparently contradictory nature of the atomic world, in which its invisible constituents defy the categories of classical physics, behaving simultaneously as both particle and wave. And it demonstrates how Einstein's later work on the emission and absorption of light, and on atomic gases, led directly to Erwin Schrödinger's breakthrough to the modern form of quantum mechanics. The book sheds light on why Einstein ultimately renounced his own brilliant work on quantum theory, due to his deep belief in science as something objective and eternal.

Quantum Social Science - Emmanuel Haven 2013-01-17

Written by world experts in the foundations of quantum mechanics and its applications to social science, this book shows how elementary quantum mechanical principles can be applied to decision-making paradoxes in psychology and used in modelling information in finance and economics. The book starts with a thorough overview of some of the salient differences between classical, statistical and quantum mechanics. It presents arguments on why quantum mechanics can be applied outside of physics and defines quantum social science. The issue of the existence of quantum probabilistic effects in psychology, economics and finance is addressed and basic questions and answers are provided. Aimed at researchers in economics and psychology, as well as physics, basic mathematical preliminaries and elementary concepts from quantum mechanics are defined in a self-contained way.

Biocentrism - Robert Lanza 2011

Robert Lanza is one of the most respected scientists in the world a US News and World Report cover story called him a genius and a renegade thinker, even likening him to Einstein. Lanza has teamed with Bob

Berman, the most widely read astronomer in the world, to produce Biocentrism, a revolutionary new view of the universe. Every now and then a simple yet radical idea shakes the very foundations of knowledge. The startling discovery that the world was not flat challenged and ultimately changed the way people perceived themselves and their relationship with the world. For most humans of the 15th century, the notion of Earth as ball of rock was nonsense. The whole of Western, natural philosophy is undergoing a sea change again, increasingly being forced upon us by the experimental findings of quantum theory, and at the same time, toward doubt and uncertainty in the physical explanations of the universes genesis and structure. Biocentrism completes this shift in worldview, turning the planet upside down again with the revolutionary view that life creates the universe instead of the other way around. In this paradigm, life is not an accidental byproduct of the laws of physics. Biocentrism takes the reader on a seemingly improbable but ultimately inescapable journey through a foreign universe our own from the viewpoints of an acclaimed biologist and a leading astronomer. Switching perspective from physics to biology unlocks the cages in which Western science has unwittingly managed to confine itself. Biocentrism will shatter the readers ideas of life--time and space, and even death. At the same time it will release us from the dull worldview of life being merely the activity of an admixture of carbon and a few other elements; it suggests the exhilarating possibility that life is fundamentally immortal. The 21st century is predicted to be the Century of Biology, a shift from the previous century dominated by physics. It seems fitting, then, to begin the century by turning the universe outside-in and unifying the foundations of science with a simple idea discovered by one of the leading life-scientists of our age. Biocentrism awakens in readers a new sense of possibility, and is full of so many shocking new perspectives that the reader will never see reality the same way again.

Science and the Akashic Field - Ervin Laszlo 2007-05-03

Presents the unifying world-concept long sought by scientists, mystics, and sages: an Integral Theory of Everything • Explains how modern science has rediscovered the Akashic Field of perennial philosophy • New edition updates ongoing scientific studies, presents new research inspired by the first edition, and includes new case studies and a section on animal telepathy Mystics and sages have long maintained that there exists an interconnecting cosmic field at the roots of reality that conserves and conveys information, a field known as the Akashic record. Recent discoveries in vacuum physics show that this Akashic Field is real and has its equivalent in science's zero-point field that underlies space itself. This field consists of a subtle sea of fluctuating energies from which all things arise: atoms and galaxies, stars and planets, living beings, and even consciousness. This zero-point Akashic Field is the constant and enduring memory of the universe. It holds the record of all that has happened on Earth and in the cosmos and relates it to all that is yet to happen. In Science and the Akashic Field, philosopher and scientist Ervin Laszlo conveys the essential element of this information field in language that is accessible and clear. From the world of science he confirms our deepest intuitions of the oneness of creation in the Integral Theory of Everything. We discover that, as philosopher William James stated, "We are like islands in the sea, separate on the surface but connected in the deep."

[YinYang Bipolar Relativity: A Unifying Theory of Nature, Agents and Causality with Applications in](#)

Quantum Computing, Cognitive Informatics and Life Sciences - Zhang, Wen-Ran 2011-03-31

YinYang bipolar relativity can trace its philosophical origins to ancient Chinese YinYang cosmology, which claims that everything has two sides or two opposite, but reciprocal, poles or energies. More specifically, this discipline is intended to be a logical unification of general relativity and quantum mechanics. YinYang Bipolar Relativity: A Unifying Theory of Nature, Agents and Causality with Applications in Quantum Computing, Cognitive Informatics and Life Sciences presents real-world applications of YinYang bipolar relativity that focus on quantum computing and agent interaction. This unique work makes complex theoretical topics, such as the ubiquitous effects of quantum entanglement, logically comprehensible to a vast audience.

The Palgrave Handbook of Quantum Models in Social Science - Emmanuel Haven 2017-02-06

It is not intuitive to accept that there exists a link between quantum physical systems and cognitive systems. However, recent research has shown that cognitive systems and collective (social) systems, including biology, exhibit uncertainty which can be successfully modelled with quantum probability. The use of such probability allows for the modelling of situations which typically violate the laws of classical probability. The Palgrave Handbook of Quantum Models in Social Science is a unique volume that brings together contributions from leading experts on key topics in this new and emerging field. Completely self-contained, it begins with an introductory section which gathers all the fundamental notions required to be able to understand later chapters. The handbook then moves on to address some of the latest research and applications for quantum methods in social science disciplines, including economics, politics and psychology. It begins with the issue of how the quantum mechanical framework can be applied to economics. Chapters devoted to this topic range from how Fisher information can be argued to play a role in economics, to the foundations and application of quantum game theory. The handbook then progresses in considering how belief states can be updated with the theory of quantum measurements (and also with more general methods). The practical use of the Hilbert space (and Fock space) in decision theory is then introduced, and open quantum systems are also considered. The handbook also treats a model of neural oscillators that reproduces some of the features of quantum cognition. Other contributions delve into causal reasoning using quantum Bayes nets and the role of quantum probability in modelling so called affective evaluation. The handbook is rounded off with two chapters which discuss the grand challenges which lie ahead of us. How can the quantum formalism be justified in social science and is the traditional quantum formalism too restrictive? Finally, a question is posed: whether there is a necessary role for quantum mathematical models to go beyond physics. This book will bring the latest and most cutting edge research on quantum theory to social science disciplines. Students and researchers across the discipline, as well as those in the fields of physics and mathematics will welcome this important addition to the literature.

Ontological Entanglements, Agency and Ethics in International Relations - Laura Zanotti 2018-07-06

While the relevance of ontological commitments for epistemology and methodology in International Relations have been the subject of growing debate for several years, the implications for ethics and political agency of embracing an ontology of entanglement have remained unexplored. This work focuses on the importance of addressing the ontological and epistemological assumptions of the discipline of International Relations. There is increased awareness of the limits of abstract principles as ways of adjudicating real life political and ethical choices regarding International Intervention and international development for both practitioners and scholars. The work challenges IR prevailing ontological imaginaries rooted upon Newtonian physics and argues that non-substantialist ontological positions nurture a political ethos that privileges 'modest' engagements of practical solidarity and weights political choices with regard to the consequences and distributive effects they may produce in the context where they are made rather than based upon their universal normative aspirations. While the book is firmly rooted in metatheory, Zanotti also highlights the easiness with which political failures are dismissed as unintended consequences and argues that the current crisis in Syria, and genocides in Srebrenica and Rwanda have shown that advocating abstract ethical principles, be they the Responsibility to Protect, impartiality, or following rules can lead to disaster and can foster violent and exclusionary practices. She also exemplifies how an alternative ethos can be practiced through the example of an international NGO in Haiti. Highlighting the need for critically re-thinking the way we conceptualize political agency and validate ethics, this work will

be of interest to scholars of International Relations theory, ethics and critical security studies.

The Universe, Life and Everything - Ton Baggerman 2017-10-12

the way we understand the world we live in is changing. Our traditional understanding is being challenged by developments in physics, including quantum mechanics, and our inability to explain certain complex phenomena such as consciousness. In this book, scholars from a variety of backgrounds discuss how our understanding of our world is expanding to include such phenomena.

Quantum Mind and Social Science - Alexander Wendt 2015-04-20

There is an underlying assumption in the social sciences that consciousness and social life are ultimately classical physical/material phenomena. In this ground-breaking book, Alexander Wendt challenges this assumption by proposing that consciousness is, in fact, a macroscopic quantum mechanical phenomenon. In the first half of the book, Wendt justifies the insertion of quantum theory into social scientific debates, introduces social scientists to quantum theory and the philosophical controversy about its interpretation, and then defends the quantum consciousness hypothesis against the orthodox, classical approach to the mind-body problem. In the second half, he develops the implications of this metaphysical perspective for the nature of language and the agent-structure problem in social ontology. Wendt's argument is a revolutionary development which raises fundamental questions about the nature of social life and the work of those who study it.

Mixed Emotions - Andrew A. G. Ross 2013-12-06

In recent years, it's become increasingly clear that emotion plays a central role in global politics. For example, people readily care about acts of terrorism and humanitarian crises because they appeal to our compassion for human suffering. These struggles also command attention where social interactions have the power to produce or intensify the emotional responses of those who participate in them. From passionate protests to poignant speeches, Andrew A. G. Ross analyzes high-emotion events with an eye to how they shape public sentiment and finds that there is no single answer. The politically powerful play to the public's emotions to advance their political aims, and such appeals to emotion also often serve to sustain existing values and institutions. But the affective dimension can produce profound change, particularly when a struggle in the present can be shown to line up with emotionally resonant events from the past. Extending his findings to well-studied conflicts, including the War on Terror and the violence in Rwanda and the Balkans, Ross identifies important sites of emotional impact missed by earlier research focused on identities and interests.

Structure and the Metaphysics of Mind - William Jaworski 2016

William Jaworski provides an elegant solution to the question of how mental phenomena fit into the physical world by defending an original account of hylomorphism: the idea that structure is a basic ontological and explanatory principle. On his view, mental phenomena are structural phenomena, and are uncontroversially part of the physical world.

Quantum Mind and Social Science - Alexander Wendt 2015-04-23

A unique contribution to the understanding of social science, showing the implications of quantum physics for the nature of human society.

The Science of Consciousness - Eva Deli 2015-09-09

According to ancient traditions there is an organic unity of existence. Yet science have shown our world as mechanical and highly disconnected until now. Through a synthesis of the most recent scientific research in theoretical physics, evolution and cognition, Eva Deli formulates an organically unified cosmos: particles of matter, the mind and the whole cosmos fit together as Russian dolls. In this coherent and intuitive world view to understand particles is to understand the mind, and it is to understand the universe. Material interaction is the source of a cosmological evolution that increases complexity and culminates in the emergence of the intelligent mind. Characteristics of elementary particles can be recognized in conscious processes. For example, human decision making can be best described by quantum probability, allowing quantum theory to be used for search-engine optimization. The context of judgments and decisions corresponds to quantum interference of elementary matter particles. The mind also forms a unified experience in spite of the cacophony of ideas and sensory stimuli it receives from the environment. These and other similar findings characterize a mental elementary particle, which interacts by elementary forces:

called emotions. Emotions are the emotional equivalents of gravity, electromagnetism, the nuclear weak and strong forces. For the first time, the scientific classification of emotions becomes possible. The indivisible, self-contained, and self-regulating universe also shows elementary particle characteristics. Thus, the material, mental elementary particles and the universe have identical energy structures and analogue operational principles. and together form a fractal structure of vastly different energy levels and sizes: the organically interconnected, complex universe. The hypothesis' fresh approach has the potential to ameliorate and mend the existing schism between religion and the sciences, and its main tenets can be verified by technically feasible experiments. The recognition that material particles, the mind and the universe are analogue quantum systems, a radically new physical world view emerges, which if proven correct, can point toward potential applications in physics and medicine. The hypothesis can explain many currently unexplained phenomena in physics, evolution, neurology and the social sciences. For example the hypothesis defines time, it redefines entropy and it introduces a hypothesis for gravity. Its new vision for evolution and emotions has implications for social sciences and even economy. Videos posted on the Author's page facilitate understanding some key concepts.

Galileo's Error - Philip Goff 2019

From a leading philosopher of the mind comes this lucid, provocative argument that offers a radically new picture of human consciousness--panpsychism. Understanding how brains produce consciousness is one of the great scientific challenges of our age. Some philosophers argue that consciousness is something "extra," beyond the physical workings of the brain. Others think that if we persist in our standard scientific methods, our questions about consciousness will eventually be answered. And some even suggest that the mystery is so deep, it will never be solved. Decades have been spent trying to explain consciousness from within our current scientific paradigm, but little progress has been made. Now, Philip Goff offers an exciting alternative that could pave the way forward. Rooted in an analysis of the philosophical underpinnings of modern science and based on the early twentieth-century work of Arthur Eddington and Bertrand Russell, Goff makes the case for panpsychism, a theory which posits that consciousness is not confined to biological entities but is a fundamental feature of all physical matter--from subatomic particles to the human brain. In *Galileo's Error*, he has provided the first step on a new path to the final theory of human consciousness.

Quantum Theory and Free Will - Henry P. Stapp 2017-06-22

This book explains, in simple but accurate terms, how orthodox quantum mechanics works. The author, a distinguished theoretical physicist, shows how this theory, realistically interpreted, assigns an important role to our conscious free choices. Stapp claims that mainstream biology and neuroscience, despite nearly a century of quantum physics, still stick essentially to failed classical precepts in which mental intentions have no effect upon our bodily actions. He shows how quantum mechanics provides a rational basis for a better understanding of this connection, even allowing an explanation of certain phenomena currently held to be "paranormal". These ideas have major implications for our understanding of ourselves and our mental processes, and thus also for the meaningfulness of our lives.

Mystical Encounters with the Natural World - Paul Marshall 2005-07-07

Some experiences of the natural world bring a sense of unity, knowledge, self-transcendence, eternity, light, and love. This is the first detailed study of these intriguing phenomena. Paul Marshall explores the circumstances, characteristics, and after-effects of this important but relatively neglected type of mystical experience, and critiques explanations that range from the spiritual and metaphysical to the psychoanalytic, contextual, and neuropsychological. The theorists discussed include R. M. Bucke, Edward Carpenter, W. R. Inge, Evelyn Underhill, Rudolf Otto, Sigmund Freud, Aldous Huxley, R. C. Zaehner, W. T. Stace, Steven Katz, and Robert Forman, as well as contemporary neuroscientists. The book makes a significant contribution to current debates about the nature of mystical experience.

Quantum Models of Cognition and Decision - Jerome R. Busemeyer 2012-07-26

Much of our understanding of human thinking is based on probabilistic models. This innovative book by Jerome R. Busemeyer and Peter D. Bruza argues that, actually, the underlying mathematical structures from quantum theory provide a much better account of human thinking than traditional models. They introduce the foundations for modeling probabilistic-dynamic systems using two aspects of quantum theory.

The first, 'contextuality', is a way to understand interference effects found with inferences and decisions under conditions of uncertainty. The second, 'quantum entanglement', allows cognitive phenomena to be modeled in non-reductionist ways. Employing these principles drawn from quantum theory allows us to view human cognition and decision in a totally new light. Introducing the basic principles in an easy-to-follow way, this book does not assume a physics background or a quantum brain and comes complete with a tutorial and fully worked-out applications in important areas of cognition and decision.

[Free Will and Consciousness in the Multiverse](#) - Christian D. Schade 2019-01-29

It is hard to interpret quantum mechanics. The most surprising, but also most parsimonious, interpretation is the many-worlds, or quantum-multiverse interpretation, implying a permanent coexistence of parallel realities. Could this perhaps be the appropriate interpretation of quantum mechanics? This book collects evidence for this interpretation, both from physics and from other fields, and proposes a subjectivist version of it, the clustered-minds multiverse. The author explores its implications through the lens of decision making and derives consequences for free will and consciousness. For example, free will can be implemented in the form of vectorial choices, as introduced in the book. He furthermore derives consequences for research in the social sciences, especially in psychology and economics.

Quantum Society - Danah Zohar 1995-07-24

In *The Quantum Society* authors Danah Zohar and Ian Marshall offer a compelling vision for transforming society using the insights of quantum physics to illuminate their ideas. Diversity, they suggest, is the creative evolutionary force, and the more diverse the society, the greater the opportunity for transformation and growth. Their theory of cosmic and social evolution allows us to discover the meaning and purpose of society through an appreciation and understanding of pluralistic thinking. The result is an all-embracing social model that celebrates the dynamic unity that is possible when we work together to orchestrate and articulate our interdependence. The quantum society is flexible, evolving, and ambiguous. In short, it reflects the idea of society as a living system. The authors use the language of physics to provide the images and metaphors appropriate for understanding the principles that inform this system, bringing into focus our harmonious place within the natural world.

Consilience - E. O. Wilson 2014-11-26

"A dazzling journey across the sciences and humanities in search of deep laws to unite them." --The Wall Street Journal One of our greatest living scientists--and the winner of two Pulitzer Prizes for *On Human Nature* and *The Ants*--gives us a work of visionary importance that may be the crowning achievement of his career. In *Consilience* (a word that originally meant "jumping together"), Edward O. Wilson renews the Enlightenment's search for a unified theory of knowledge in disciplines that range from physics to biology, the social sciences and the humanities. Using the natural sciences as his model, Wilson forges dramatic links between fields. He explores the chemistry of the mind and the genetic bases of culture. He postulates the biological principles underlying works of art from cave-drawings to *Lolita*. Presenting the latest findings in prose of wonderful clarity and oratorical eloquence, and synthesizing it into a dazzling whole, *Consilience* is science in the path-clearing traditions of Newton, Einstein, and Richard Feynman.

[Basic Structures of Reality](#) - Colin McGinn 2011-12-09

In *Basic Structures of Reality*, Colin McGinn deals with questions of metaphysics, epistemology, and philosophy of mind from the vantage point of physics. Combining general philosophy with physics, he covers such topics as the definition of matter, the nature of space, motion, gravity, electromagnetic fields, the character of physical knowledge, and consciousness and meaning. Throughout, McGinn maintains an historical perspective and seeks to determine how much we really know of the world described by physics. He defends a version of "structuralism": the thesis that our knowledge is partial and merely abstract, leaving a large epistemological gap at the center of physics. McGinn then connects this element of mystery to parallel mysteries in relation to the mind. Consciousness emerges as just one more mystery of physics. A theory of matter and space is developed, according to which the impenetrability of matter is explained as the deletion of volumes of space. McGinn proposes a philosophy of science that distinguishes physics from both psychology and biology, explores the ontology of energy, and considers the relevance of physics to seemingly remote fields such as the theory of meaning. In the form of a series of aphorisms, the author presents a metaphysical system that takes laws of nature as fundamental. With its broad scope and deep

study of the fundamental questions at the heart of philosophy of physics, this book is not intended primarily for specialists, but for the general philosophical reader interested in how physics and philosophy intersect. Quantum Social Theory for Critical International Relations Theorists - Michael P. A. Murphy 2020-11-13 This book examines the crossroads of quantum and critical approaches to International Relations and argues that these approaches share a common project of uncovering complexity and uncertainty. The "quantum turn" in International Relations theory has produced a number of interesting insights into the complex ways in which our assumptions about the physics of the world around us can limit our understanding of social life. While critique is possible within a Newtonian social science, core assumptions of separability and determinism of classical physics impose limits on what is imaginable. The author argues that by adopting a quantum imaginary, social theory can move beyond its Newtonian limits, and explore two methods for quantizing conceptual models—translation and application. This book is the first introductory book to quantum social theory ideas specifically intended for an audience of critical International Relations.

Friendship and International Relations - S. Koschut 2014-10-01

International friendship is a distinct type of interstate relationship, and that as such, it can contribute to capture aspects of international politics that have long remained unattended. This book offers a framework for analyzing friendship in international politics by presenting a variety of conceptual approaches and empirical cases.

Beyond the Dynamical Universe - Michael Silberstein 2018-02-02

Theoretical physics and foundations of physics have not made much progress in the last few decades. Whether we are talking about unifying general relativity and quantum field theory (quantum gravity), explaining so-called dark energy and dark matter (cosmology), or the interpretation and implications of quantum mechanics and relativity, there is no consensus in sight. In addition, both enterprises are deeply puzzled about various facets of time including above all, time as experienced. The authors argue that, across the board, this impasse is the result of the "dynamical universe paradigm," the idea that reality is fundamentally made up of physical entities that evolve in time from some initial state according to dynamical laws. Thus, in the dynamical universe, the initial conditions plus the dynamical laws explain everything else going exclusively forward in time. In cosmology, for example, the initial conditions reside in the Big Bang and the dynamical law is supplied by general relativity. Accordingly, the present state of the universe is explained exclusively by its past. This book offers a completely new paradigm (called Relational Blockworld), whereby the past, present and future co-determine each other via "adynamical global constraints," such as the least action principle. Accordingly, the future is just as important for explaining the present as is the past. Most of the book is devoted to showing how Relational Blockworld resolves many of the current conundrums of both theoretical physics and foundations of physics, including the mystery of time as experienced and how that experience relates to the block universe.

Quantum Anthropology - Radek Trnka 2016-10-03

The book offers a fresh look on man, cultures, and societies built on the current advances in the fields of quantum mechanics, quantum philosophy, and quantum consciousness. The authors have developed an inspiring theoretical framework transcending the boundaries of particular disciplines in social sciences and the humanities. Quantum anthropology is a perspective, studying man, culture, and humanity while taking into account the quantum nature of our reality. This framework redefines current anthropological theory in a new light, and provides an interdisciplinary overlap reaching to psychology, sociology, and consciousness studies. Contents 1. Introduction: Why Quantum Anthropology? 2. Empirical and Nonempirical Reality 3. Appearance, Frames, Intra-Acting Agencies, and Observer Effect 4. Emergence of Man and Culture 5. Fields, Groups, Cultures, and Social Complexity 6. Man as Embodiment 7. Collective Consciousness and Collective Unconscious in Anthropology 8. Life Trajectories of Man, Cultures and Societies 9. Death and Final Collapses of Cultures and Societies 10. Language, Collapse of Wave Function, and Deconstruction 11. Myth and Entanglement 12. Ritual, Observer Effect, and Collective Consciousness 13. Conclusions and Future Directions

The Re-Emergence of Emergence - Philip Clayton 2006-06-29

Much of the modern period was dominated by a 'reductionist' theory of science. On this view, to explain

any event in the world is to reduce it down to fundamental particles, laws, and forces. In recent years reductionism has been dramatically challenged by a radically new paradigm called 'emergence'. According to this new theory, natural history reveals the continuous emergence of novel phenomena: new structures and new organisms with new causal powers. Consciousness is yet onemore emergent level in the natural hierarchy. Many theologians and religious scholars believe that this new paradigm may offer new insights into the nature of God and God's relation to the world. This volume introduces readers to emergence theory, outlines the major arguments in its defence, and summarizes the most powerful objections against it. Written by experts but suitable as an introductory text, these essays provide the best available presentation of this exciting new field and its potentially momentous implications.

Information—Consciousness—Reality - James B. Glattfelder 2019-04-10

This open access book chronicles the rise of a new scientific paradigm offering novel insights into the age-old enigmas of existence. Over 300 years ago, the human mind discovered the machine code of reality: mathematics. By utilizing abstract thought systems, humans began to decode the workings of the cosmos. From this understanding, the current scientific paradigm emerged, ultimately discovering the gift of technology. Today, however, our island of knowledge is surrounded by ever longer shores of ignorance. Science appears to have hit a dead end when confronted with the nature of reality and consciousness. In this fascinating and accessible volume, James Glattfelder explores a radical paradigm shift uncovering the ontology of reality. It is found to be information-theoretic and participatory, yielding a computational and programmable universe.

Social Theory of International Politics - Alexander Wendt 1999-10-07

Drawing upon philosophy and social theory, Social Theory of International Politics develops a theory of the international system as a social construction. Alexander Wendt clarifies the central claims of the constructivist approach, presenting a structural and idealist worldview which contrasts with the individualism and materialism which underpins much mainstream international relations theory. He builds a cultural theory of international politics, which takes whether states view each other as enemies, rivals or friends as a fundamental determinant. Wendt characterises these roles as 'cultures of anarchy', described as Hobbesian, Lockean and Kantian respectively. These cultures are shared ideas which help shape state interests and capabilities, and generate tendencies in the international system. The book describes four factors which can drive structural change from one culture to another - interdependence, common fate, homogenization, and self-restraint - and examines the effects of capitalism and democracy in the emergence of a Kantian culture in the West.

Digital Consciousness: A Transformative Vision - Jim Elvidge 2018-12-14

What could be a more compelling read than a book that explains the greatest mysteries known to man in one fell swoop. Who is God? What happens after we die? What the heck is quantum entanglement? Why did Dolly's braces disappear in the movie "Moonraker?" Our reality is not what it appears to be. The latest physics experiments demonstrate that an objective reality doesn't exist. And no one truly knows what consciousness is or where the mind resides. Strange interconnectedness, anomalous events, and changing histories confound even the most open-minded of scientists. No single theory seems to be able to explain it all. Until now.

Wholeness and the Implicate Order - David Bohm 2005-07-12

David Bohm was one of the foremost scientific thinkers and philosophers of our time. Although deeply influenced by Einstein, he was also, more unusually for a scientist, inspired by mysticism. Indeed, in the 1970s and 1980s he made contact with both J. Krishnamurti and the Dalai Lama whose teachings helped shape his work. In both science and philosophy, Bohm's main concern was with understanding the nature of reality in general and of consciousness in particular. In this classic work he develops a theory of quantum physics which treats the totality of existence as an unbroken whole. Writing clearly and without technical jargon, he makes complex ideas accessible to anyone interested in the nature of reality.

Traditions of Systems Theory - Darrell Arnold 2013-12-17

The term 'systems theory' is used to characterize a set of disparate yet related approaches to fields as varied as information theory, cybernetics, biology, sociology, history, literature, and philosophy. What unites each of these traditions of systems theory is a shared focus on general features of systems and their

fundamental importance for diverse areas of life. Yet there are considerable differences among these traditions, and each tradition has developed its own methodologies, journals, and forms of analysis. This book explores this terrain and provides an overview of and guide to the traditions of systems theory in their considerable variety. The book draws attention to the traditions of systems theory in their historical development, especially as related to the humanities and social sciences, and shows how from these traditions various contemporary developments have ensued. It provides a guide for strains of thought that are key to understanding 20th century intellectual life in many areas.

Quantum Mind - Arnold Mindell, PH.D. 2012-12-31

Quantum Mind. The Edge Between Physics and Psychology This is the second edition with new preface from the author. In a single volume, Arnold Mindell brings together psychology, physics, math, myth, and shamanism - not only mapping the way for next-generation science but also applying this wisdom to personal growth, group dynamics, social and political processes, and environmental issues. Beginning with a discussion of cultural impacts on mathematics, he presents esoteric but plausible interpretations of imaginary numbers and the quantum wavefunction. In this context he discusses dreams, psychology, illness, shape-shifting (moving among realities), and the self-reflecting Universe - bringing in not only shamanism but also the Aboriginal, Greek, and Hindu myths and even sacred geometry from the Masonic orders and the Native Americans. The book is enriched by several psychological exercises that enable the reader to subjectively experience mathematics (counting, discounting, squaring, complex conjugating), physics (parallel worlds, time travel), and shamanism (shape-shifting).

Quantum Information and Consciousness - Danko D. Georgiev 2017-12-06

"I loved the book! This book is not just interesting, it is exciting. I have probably read every significant book in the field, and this is the strongest and most convincing one yet. It is also one of the most comprehensive in its explanations. I shall most certainly recommend the book to colleagues." -Richard G. Petty, MD "a very good introduction to the basic theory of quantum systems.... Dr. Georgiev's book aptly prepares the reader to confront whatever might be in store later." -from the Foreword by Prof. James F. Glazebrook, Eastern Illinois University This book addresses the fascinating cross-disciplinary field of quantum information theory applied to the study of brain function. It offers a self-study guide to probe the problems of consciousness, including a concise but rigorous introduction to classical and quantum information theory, theoretical neuroscience, and philosophy of the mind. It aims to address long-standing problems related to consciousness within the framework of modern theoretical physics in a comprehensible manner that elucidates the nature of the mind-body relationship. The reader also gains an overview of methods for constructing and testing quantum informational theories of consciousness.

Quantum Computation and Quantum Information - Michael A. Nielsen 2000-10-23

First-ever comprehensive introduction to the major new subject of quantum computing and quantum information.

Quantum Methods in Social Science - Emmanuel Haven 2017-06-22

Shown here is how basic concepts of physics can be used to improve models in finance, economics, psychology and biology. Readers are introduced to how physical theory can inform non-physical phenomena in the social sciences, thereby improving decision making and modeling capabilities in research-based and professional settings. Consisting of three parts, the first part deals with the application of quantum operator methods to financial transactions and population dynamics. Part two develops physical concepts, working from classical Lagrangian and Hamiltonian mechanics and leading to an introduction of quantum

information and its application to decision making. The final part treats classical and quantum probability theory in some detail and deals, at a more advanced level, with the impact of quantum probabilities on common knowledge and common beliefs between agents in systems. *Quantum Methods in Social Science* is a high level textbook for advanced undergraduate or graduate students of economics, finance and business, while also being of interest to those with a background in physics. Request Inspection Copy
Contents: Quantum Counting: The Number Operator in a Social Science Context: Introduction Classical Interlude: Modelling Population Dynamics A Quantum Description of Systems Quantum Counting Quantum Transactions Quantum Migration More Elaborate Systems Conclusions References — Part I The Quantum-Like Paradigm with Simple Applications: Taking a Step Back Modeling Information with an Operational Formalism Decision Making and Quantum Probability References — Part II The Quantum-Like Paradigm with Advanced Applications: Basics of Classical Probability Quantum Probability Common Knowledge Quantum(-Like) Formalization of Common Knowledge Examples Appendix References — Part III Readership: Advanced undergraduate or graduate students of economics, finance and business, while also being of interest to those with a background in physics.

You Matter More Than You Think: Quantum Social Change for a Thriving World - Karen O'Brien 2021-10-22
You Matter More Than You Think introduces a new way of thinking about climate change and social change. It focuses on how the small changes we make can have a big impact, and why each of us matters when it comes to sustainability.

Buddha and the Quantum - Samuel Avery 2011

Hundreds of books since the Tao of Physics have discussed a connection between meditation and modern physics; this one clarifies what it is in both spiritual and scientific terms. Avery's brilliant model of consciousness makes difficult and subtle ideas understandable, surprising you with the implications. He shows that light is visual consciousness: the experience of cells in the retina. Light is not in space; space is in light. Knowing this, relativity and the quanta suddenly make sense.

Cosmos - Ervin Laszlo 2010-06-21

We stand at the threshold of a revolutionary and empowering new vision of the world. The discoveries of leading-edge science and the insights of spirituality are converging to reveal that the CosMos and all that we term reality is wholly integrated, and that at its most fundamental level, it is a field of information. This is the elemental cosmic mind from which everything emanates, is manifested, and to which all ultimately returns. Research is also demonstrating what the mystics of all traditions have discerned: that we have the innate ability to envision, understand, and experience the CosMos at levels far beyond the limitations of our human persona. CosMos is co-authored by two explorers who combine almost a century of seeking to understand not only how the world is as it is, but why. Philosopher Ervin Laszlo, Ph. D., and healer and scientist Jude Currivan, Ph. D., offer a revisioned view of the world that is no longer fragmented, but is at last, whole. Theirs is a perception of a meaningful and co-creative world that is exquisitely tuned to be "as simple as it can be" for consciousness to explore itself. In these momentous times, the vision shared in CosMos invites us to open our hearts and minds to re-member who we really are and to take our places as conscious co-creators of our realities and of our evolving cosmic destiny.

What is Quantum Information? - Olimpia Lombardi 2017-04-24

Combining physics and philosophy, this is a uniquely interdisciplinary examination of quantum information science. Suitable as both a discussion of the conceptual and philosophical problems of this field and a comprehensive stand-alone introduction, this book will benefit both experienced and new researchers in quantum information and the philosophy of physics.