

Introducing Quantum Theory A Graphic Guide To Sciences Most Puzzling Discovery

One of the biggest-selling titles in the Introducing series, J.P. McEvoy and Oscar Zarate's utterly brilliant Introducing Quantum Theory explores one of the most challenging, thrilling and mysterious areas of science. Taking the reader on a step-by-step tour, they tackle the puzzle of the wave-particle duality, Schrödinger's 'dead and alive cat', the EPR paradox and much more, explaining this notoriously difficult theory with patience, wit and clarity. It is now more than a century since Einstein's theories of Special and General Relativity began to revolutionise our view of the universe. Beginning near the speed of light and proceeding to explorations of space-time and curved spaces, Introducing Relativity plots a visually accessible course through the thought experiments that have given shape to contemporary physics. This is a superlative, fascinating graphic account of Einstein's strange world and how his legacy has been built upon since. If a butterfly flaps its wings in Brazil, does it cause a tornado in Texas? Described as 'a beautifully succinct primer ... most recommended' by Time Out, Ziauddin Sardar and Iwona Abrams' Introducing Chaos attempts to answer bafflingly difficult questions like this.

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Explaining how chaos makes its presence felt in events from the fluctuation of the animal population to the ups and downs of the stock market, the book offers a uniquely approachable introduction to an astonishing and controversial theory.

Quantum theory confronts us with bizarre paradoxes which contradict the logic of classical physics. At the subatomic level, one particle seems to know what the others are doing, and according to Heisenberg's "uncertainty principle", there is a limit on how accurately nature can be observed. And yet the theory is amazingly accurate and widely applied, explaining all of chemistry and most of physics.

"Introducing Quantum Theory" takes us on a step-by-step tour with the key figures, including Planck, Einstein, Bohr, Heisenberg and Schrodinger. Each contributed at least one crucial concept to the theory. The puzzle of the wave-particle duality is here, along with descriptions of the two questions raised against Bohr's "Copenhagen Interpretation" - the famous "dead and alive cat" and the EPR paradox. Both remain unresolved.

The first comprehensive treatment of quantum physics in any language, this classic introduction to the basic theory remains highly recommended and in wide use, both as a text and as a reference. A unified and accurate guide to the application of radiative processes, it explores the mathematics and physics of quantum theory. 1954 edition.

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Presents an introduction to the key concepts and figures associated with quantum theory.

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The bestselling French graphic novel about the wonders of quantum physics Join Bob the explorer and his dog Rick on a rip-roaring trip through the quantum universe as they meet Max Planck, Albert Einstein, Erwin Schrödinger and many other scientists who encourage them to uncover the mysteries of physics with the help of pancakes, cats, mice and all kinds of optical illusions. Marvellous fun and absolutely enthralling, *Mysteries of the Quantum Universe* is full of surprises - perfect for lovers of comics and all geeks.

Introducing Graphic Guides is the bestselling series which explores big ideas from Quantum Theory to Psychoanalysis using concise, authoritative text and graphic novel-style illustrations. For the very first time 28 titles are now available in ebook format for all e-reading devices. This free ebook sampler contains extracts from six books:

- Introducing Psychology asks what exactly psychology is, precisely, where has it come from and the extent to which it can be considered scientific.
- Introducing Quantum Theory explores bizarre paradoxes which contradict the logic of classical physics in the work of Planck, Einstein, Bohr, Heisenberg, Schrodinger and others
- Introducing Islam recounts the history of the

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religion from the 6th century to its status as a global culture and political force today. • Introducing Statistics book traces the rise of statistics from the ancient Babylonians, Egyptians and Chinese, to the censuses of Romans and the Greeks, and the modern emergence of the term itself in Europe. • Introducing Capitalism tells the story of the remarkable and often ruthless rise of capitalist politics and economics, which have evolved through strife and struggle as much as innovation and enterprise • Introducing Feminism explores women's conscious struggle to resist discrimination and sexist oppression from the 17th century to the present day. Find out more about the series at introducingbooks.com/ebooks

Forget everything you thought you knew about reality. The world is a seriously bizarre place. Things can exist in two places at once and travel backwards and forwards in time. Waves and particles are one and the same, and objects change their behaviour according to whether they are being watched. This is not some alternative universe but the realm of the very small, where quantum mechanics rules. In this weird world of atoms and their constituents, our common sense understanding of reality breaks down - yet quantum mechanics has never failed an experimental test. What does it all mean? For all its weirdness, quantum mechanics has given us many practical technologies including lasers and the

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transistors that underlie computers and all digital technology. In the future, it promises computers more powerful than any built before, the ability to communicate with absolute privacy, and even quantum teleportation. The Quantum World explores the past, present and future of quantum science, its applications and mind-bending implications.

Discover how ideas from quantum mechanics are percolating out into the vast scale of the cosmos - perhaps, in the future, to reveal a new understanding of the big bang and the nature of space and time.

ABOUT THE SERIES New Scientist Instant Expert books are definitive and accessible entry points to the most important subjects in science; subjects that challenge, attract debate, invite controversy and engage the most enquiring minds. Designed for curious readers who want to know how things work and why, the Instant Expert series explores the topics that really matter and their impact on individuals, society, and the planet, translating the scientific complexities around us into language that's open to everyone, and putting new ideas and discoveries into perspective and context.

Von den Grundlagen bis zur Streutheorie – das Wichtigste zur Quantenmechanik Die Quantenphysik ist ein zentrales und spannendes, wenn auch von vielen Schülern und Studenten ungeliebtes Thema der Physik. Aber keine Sorge! Steven Holzner erklärt Ihnen verständlich und lebendig, was Sie über Quantenphysik wissen müssen. Er erläutert die Grundlagen von Drehimpuls und Spin, gibt Ihnen Tipps, wie

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Sie komplexe Gleichungen lösen und nimmt den klassischen Problemen der Quantenphysik den Schrecken. Dabei arbeitet er mit Beispielen, die er ausführlich erklärt und gibt Ihnen so zusätzliche Sicherheit auf einem vor Unschärfen wimmelnden Feld.

Quantum theory and computational chemistry have become integral to the fields of chemistry, chemical engineering, and materials chemistry. Concepts of chemical bonding, band structure, material properties, and interactions between light and matter at the molecular scale tend to be expressed in the framework of orbital theory, even when numerical calculations go beyond simple orbital models. Yet, the connections between these theoretical models and experimental observations are often unclear. It is important--now more than ever--that students master quantum theory if they are going to apply chemical concepts. In this book, Jochen Autschbach connects the abstract with the concrete in an elegant way, creating a guiding text for scholars and students alike.

Quantum Theory for Chemical Applications covers the quantum theory of atoms, molecules, and extended periodic systems. Autschbach goes beyond standard textbooks by connecting the molecular and band structure perspectives, covering response theory, and more. The book is broken into four parts: Basic Theoretical Concepts; Atomic, Molecular, and Crystal Orbitals; Further Basic Concepts of Quantum Theory; and Advanced Topics, such as relativistic quantum chemistry and molecule-light interactions. The foresight Autschbach provides is immense, and he sets up a solid theoretical background for nearly every quantum chemistry method used in contemporary research. Because quantum theory tells us what the electrons do in atoms, molecules, and extended systems, the pages in this book are full of answers to questions both long-held and never-before considered.

Written by Dr Alexandre Zagoskin, who is a Reader at

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Loughborough University, Quantum Mechanics: A Complete Introduction is designed to give you everything you need to succeed, all in one place. It covers the key areas that students are expected to be confident in, outlining the basics in clear jargon-free English, and then providing added-value features like summaries of key ideas, and even lists of questions you might be asked in your exam. The book uses a structure that is designed to make quantum physics as accessible as possible - by starting with its similarities to Newtonian physics, rather than the rather startling differences.

The ministry of casting out demons is either entirely dismissed on one hand or misused and abused on the other. A closed-system natural worldview utterly rejects the notion of a spirit world with spirit beings. To the other extreme, some shortsighted deliverance ministries reject the validity of the health professions and identify every problem in the life of the believer as demonic. The theology of these ministries fails to account for the power of the cross and its daily application in the life of the believer as the normal way in which God delivers from sin and evil. All challenges in the life of the believer do not necessitate a deliverance session.

Unleashed! is a book that offers a balanced perspective on these matters, including an instrument that can be used to assist in discerning the probable need for deliverance. The C1-13 instrument is revolutionary, transcending the usual inventories by applying variables that are key factors to differentiating degrees of demonic influence. The instrument is also distinct due to its integrative approach that cross-references the work of other professional fields to arrive at a comprehensive picture of the problem and thus a more extensive and effective treatment.

Suchen Sie einen leichten Einstieg in die fortgeschrittenen Bereiche der Physik? "Physik II für Dummies" hilft Ihnen,

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Elektrizität und Magnetismus zu verstehen. Außerdem erklärt Ihnen Steven Holzner, was Sie über Schall und Licht, Brechung, Interferenz und Reflektion wissen sollten. Auch in diesem Band kommen Mechanik und Wärmelehre nicht zu kurz und der Autor gibt Ihnen zu Beginn des Buches einen Crashkurs in den Grundlagen der Physik. So sind Sie mit diesem Buch bestens gerüstet, wenn es bei der Physik mal ein bisschen mehr sein soll.

The materialistic Newtonian model of the world is an excellent and extremely powerful tool. However, when it is the only tool that we allow ourselves in our search to understand the universe, it will become a confusing stumbling block. If you choose a hammer as your only tool, everything you encounter will start to look like a nail. In a lot of articles and books popularizing physics by 'hammering' physicists and other physics writers it seems obvious that Newton's objective material reality is still unrefuted in their way of thinking, and often precisely when it concerns quantum physics. This leads to literally incomprehensible statements, like particles being simultaneously waves and traveling physically every possible path. Trying to preserve Newtonian materialism as the only allowed description of reality ensures misinterpretation and clouds our minds in quantum confusion. Notably when the mind of the observer enters the stage. All the important interpretations of quantum physics are treated extensively in this book, either materialistic or consciousness oriented. It is up to the reader to make his or her own informed choice between them. No mathematics needed.

This advanced undergraduate-level text presents the quantum theory in terms of qualitative and imaginative concepts, followed by specific applications worked out in mathematical detail.

This Palgrave Pivot presents experiments that reveal core dynamics of trade in a complex system. Monetary trade is

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stripped of all its complications and placed in agent-based models, a complexity research tool capable of reproducing emergent behaviour and evolution. Included are ground-breaking repeatable experiments exploring the impact of evolutionary prerequisites empirically present in markets. Isolating the core dynamics of trade results in very simple agent-based models. However, decades of complexity research demonstrate that even the simplest systems result in emergent behaviour that is extremely difficult to anticipate. Readers who are only familiar with the linear-system theories and models used to train almost all undergraduate economics students might be surprised to witness price detaching from supply and demand, and extreme poverty and wealth arising in trade systems populated by agents with equal ability and opportunity. Watch as empirical evolutionary prerequisites are introduced and price patterns characterising two different markets – asset markets and speculative markets – emerge irrespective of supply and demand. In addition to laying the groundwork of monetary trade in a complex system, more complicated models feature mortal reproductive agents. Including ‘living’ populations in economic models reveal how the complexity characteristics of our market economy are impacting impoverishment and starvation. This book invites anyone interested in economics to join the growing ranks of people who are fascinated by the insights offered by complexity research.

Quantum Physics is the study of matter at the subatomic level, and it gives us an understanding of the basic structure of the universe.

Outlines quantum theory and the key players, including Planck, Einstein, Bohr, Heisenberg and Shrodinger.

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What really happens at the most fundamental levels of nature? Introducing Particle Physics explores the very frontiers of our knowledge, even showing how particle physicists are now using theory and experiment to probe our very concept of what is real. From the earliest history of the atomic theory through to supersymmetry, micro-black holes, dark matter, the Higgs boson, and the possibly mythical graviton, practising physicist and CERN contributor Tom Whyntie gives us a mind-expanding tour of cutting-edge science. Featuring brilliant illustrations from Oliver Pugh, Introducing Particle Physics is a unique tour through the most astonishing and challenging science being undertaken today.

What is time? The 5th-century philosopher St Augustine famously said that he knew what time was, so long as no one asked him. Is time a fourth dimension similar to space or does it flow in some sense? And if it flows, does it make sense to say how fast? Does the future exist? Is time travel possible? Why does time seem to pass in only one direction? These questions and others are among the deepest and most subtle that one can ask, but "Introducing Time" presents them - many for the first time - in an easily accessible, lucid and engaging manner, wittily illustrated by Ralph Edney.

Alex fährt für ein paar Wochen zu seinen Verwandten nach Wolf Creek. Dort sollen Werwölfe im Wald ihr Unwesen treiben. Nachts hört er

seltsame Gestalten aus dem Nachbarhaus steigen.

Uncover the Secrets of the Universe Hidden at Wavelengths beyond Our Optical Gaze William Herschel's discovery of infrared light in 1800 led to the development of astronomy at wavelengths other than the optical. Infrared Astronomy - Seeing the Heat: from William Herschel to the Herschel Space Observatory explores the work in astronomy that relies on

Most of us are unaware of how much we depend on quantum mechanics on a day-to-day basis. Using illustrations and examples from science fiction pulp magazines and comic books, *The Amazing Story of Quantum Mechanics* explains the fundamental principles of quantum mechanics that underlie the world we live in. Watch a Video

For years, scientists adhered to the physics of Sir Isaac Newton. Over time, however, they discovered that Newtonian physics couldn't describe every phenomenon they observed. They developed a new model, called quantum physics, which described the universe in a fundamentally new way, in terms of quanta and fields. Its revolutionary concepts, including wave-particle duality, randomness, and quantum jumps, are explained in this book in easy-to-follow language. The text examines the gaps in classical physics that spurred the search for new theories, the discoveries that shaped those theories, and the scientists who developed this exciting field.

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This volume also explores the ongoing ramifications of quantum physics in our lives today.

It is now more than a century since Einstein's theories of Special and General Relativity began to revolutionise our view of the universe. Beginning near the speed of light and proceeding to explorations of space-time and curved spaces, "Introducing Relativity" plots a visually accessible course through the thought experiments that have given shape to contemporary physics. Scientists from Newton to Hawking add their unique contributions to this story, as we encounter Einstein's astounding vision of gravity as the curvature of space-time and arrive at the breathtakingly beautiful field equations. Einstein's legacy is reviewed in the most advanced frontiers of physics today - black holes, gravitational waves, the accelerating universe and string theory. This is a superlative, fascinating graphic account of Einstein's strange world and how his legacy has been built upon since.

Stephen Hawking is the world-famous physicist with a cameo in "The Simpsons on his CV", but outside his academic field his work is little understood. To the public he is a tragic figure - a brilliant scientist and author of the 9 million-copy-selling "A Brief History of Time", and yet confined to a wheelchair and almost completely paralysed. Hawking's major contribution to science has been to integrate the two great theories of 20th-century physics - Einstein's

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General Theory of Relativity and Quantum Mechanics. J.P. McEvoy and Oscar Zarate's brilliant graphic guide explores Hawking's life, the evolution of his work from his days as a student, and his breathtaking discoveries about where these fundamental laws break down or overlap, such as on the edge of a Black Hole or at the origin of the Universe itself.

What might a 'theory of everything' look like? Is science an ideology? Who were Adorno, Horkheimer or the Frankfurt School? The decades since the 1960s have seen an explosion in the production of critical theories. Deconstructionists, poststructuralists, postmodernists, second-wave feminists, new historicists, cultural materialists, postcolonialists, black critics and queer theorists, among a host of others, all vie for our attention. Stuart Sim and Borin Van Loon's incisive graphic guide provides a route through the tangled jungle of competing ideas and provides an essential historical context, situating these theories within tradition of critical analysis going back to the rise of Marxism. They present the essential methods and objectives of each theoretical school in an incisive and accessible manner, and pay special attention to recurrent themes and concerns that have preoccupied a century of critical theoretical activity. This book first teaches learners how to do quantum mechanics, and then provides them with a more

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insightful discussion of what it means. Fundamental principles are covered, quantum theory presented, and special techniques developed for attacking realistic problems. The book's two-part coverage organizes topics under basic theory, and assembles an arsenal of approximation schemes with illustrative applications. For physicists and engineers.

Eine Entdeckungsreise durch Gehirn und Geist, Denken, Fühlen und Handeln Wie unterscheiden sich die Gehirne von Männern und Frauen? Gibt es echtes altruistisches Verhalten? Ist unser Geist bei der Geburt ein noch unbeschriebenes Blatt? Und drücken Träume unsere unbewussten Wünsche aus? Psychologie durchdringt heute unsere gesamte Gesellschaft. Kein Krimi, kein Dokumentarfilm, keine Talkshow, kein Arzt-Patienten-Gespräch kommt ohne die Einführung eines psychologischen Blickwinkels aus. Die Psychologie versucht Verhaltensäußerungen und Geistesblitze, Gefühle und Gedanken zu verstehen und zu erklären, und sie berührt dabei verblüffend viele Felder – von Größenwahn und Computerscheu über Krebsursachen, Alkoholabhängigkeit und soziale Mobilität bis hin zur Speicherung von Erinnerungen und zur Herausbildung von Überzeugungen und Vorurteilen. 50 Schlüsselideen Psychologie ist die ideale Einführung in die Theorien und Denkweisen dieser Disziplin. Das Buch, das auch neueste Erkenntnisse aufgreift, präsentiert zahlreiche

Fallbeispiele und erläutert die Argumente der wichtigsten Köpfe der Psychologie. Adrian Furnham macht in 50 kompakten und leicht verständlichen Essays die zentralen Konzepte der Psychologie nachvollziehbar und vermittelt dem Leser die Begriffswelt der Psychologen zur Beschreibung und Erklärung menschlichen Verhaltens. Abnormes Verhalten Der Placebo-Effekt Der Kampf gegen die Sucht Losgelöst von der Realität Nicht neurotisch, nur anders Scheinbar normal Stress Optische Täuschungen Psychophysik Halluzinationen Wahn Sind Sie bewusst? Positive Psychologie Emotionale Intelligenz Welchen Sinn haben Emotionen? Kognitive Therapie Der Intelligenzquotient Der Flynn-Effekt Multiple Intelligenzen Kognitive Unterschiede Der Tintenkleckstest nach Rorschach Lügen aufdecken Die autoritäre Persönlichkeit Gehorsamsbereitschaft gegenüber Autorität Sich einfügen Selbstlosigkeit oder Selbstsucht? Kognitive Dissonanz Der Spielerfehlschluss Urteilsfähigkeit und Problemlösen Zu viel investiert, um aufzugeben Rationale Entscheidungsfindung Erinnerungen an Vergangenes Was der Zeuge gesehen hat Künstliche Intelligenz Vielleicht auch träumen Der Versuch, zu vergessen Es liegt mir auf der Zunge ... Psychosexuelle Entwicklungsphasen Kognitive Entwicklungsstadien Alle meine Entchen ... Tabula rasa Bleib hungrig Behaviorismus Verstärkungspläne Komplexität meistern

Phrenologie Hin- und hergerissen ... Aphasie
Legasthenie Wer ist das?

One of the biggest-selling titles in the Introducing series, J.P. McEvoy and Oscar Zarate's utterly brilliant Introducing Quantum Theory explores one of the most challenging, thrilling and mysterious areas of science. Taking the reader on a step-by-step tour, they tackle the puzzle of the wave-particle duality, Schrödinger's 'dead and alive cat', the EPR paradox and much more, explaining this notoriously difficult theory with patience, wit and clarity. It is now more than a century since Einstein's theories of Special and General Relativity began to revolutionise our view of the universe. Beginning near the speed of light and proceeding to explorations of space-time and curved spaces, Introducing Relativity plots a visually accessible course through the thought experiments that have given shape to contemporary physics. This is a superlative, fascinating graphic account of Einstein's strange world and how his legacy has been built upon since. If a butterfly flaps its wings in Brazil, does it cause a tornado in Texas? Described as 'a beautifully succinct primer ... most recommended' by Time Out, Ziauddin Sardar and Iwona Abrams' Introducing Chaos attempts to answer bafflingly difficult questions like this. Explaining how chaos makes its presence felt in events from the fluctuation of the animal population to the ups and downs of the stock market, the book

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offers a uniquely approachable introduction to an astonishing and controversial theory.

Technology constantly evolves, usually slowly and insidiously – but always just as surely. Things that are currently being developed in laboratories will be in the public domain as different products and applications perhaps as soon as in a few years' time, and as more refined versions in around ten years' time. This book deals with the future of technology, and explores the influence new technologies may have on life within the next twenty years. It is divided into three parts, the first of which discusses technological development and the forces and counter-forces related to it. This section also reviews how advances in technology are forecasted, and what kinds of parties make these predictions, and provides examples of forecasts for the next couple of decades. The second part of the book investigates the various areas of technology and their related trends. This section discusses current technological studies which may have concrete impacts in everyday life in a few decades, such as those in the fields of energy, transportation, biotechnology, materials, ICT, robotics, medical technology and space technology. The third part of the book introduces the authors' visions of how technology may develop by 2035, and presents three different scenarios, or future worlds. These will demonstrate the possible directions in which

technological development can take us. The scenarios are introduced through two main characters, Romeo and Juliet (adapted from Shakespeare's play) in the year 2035. Even though technology is constantly changing, the writers believe that, even years into the future, the significance of human relations will remain the greatest influence on human life.

$E = mc^2$ ist die berühmteste Formel der Welt. Mit ihr brachte Einstein es auf den Punkt: Energie und Masse sind zwei Seiten derselben Medaille und die Lichtgeschwindigkeit c ist ihr Wechselkurs. Doch warum besteht dieses so einfache Verhältnis? Wie ist Albert Einstein zu diesem Schluss gekommen? Und welche Folgen für das Verständnis des Universums ergeben sich daraus? Brian Cox, Professor für Physik und in England durch seine Sendungen auf BBC sehr bekannt, hat sich zusammen mit seinem Kollegen Jeff Forshaw, Professor für theoretische Physik, die scheinbar einfache Einstein-Gleichung vorgenommen, um sie mit viel Energie ausführlich und verständlich zu erklären.

By the end of the nineteenth century, physicists had developed working theories to explain most of the questions relating to the observable world. In 1900, Max Planck set out to answer a simple question related to light bulbs. He had no idea his work would open the door to a new branch of physics—Quantum

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Mechanics. This volume explains the exciting scientific discoveries made at the dawn of Quantum Mechanics. Students will be fascinated by the important work being done the world's most distinguished physicists—many of them contemporaries—including Planck, Albert Einstein, Niels Bohr, and Marie Curie.

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

durchgeführt. Dieses Team gewährleistet auch für die deutsche Fassung die wissenschaftliche Exaktheit und Stringenz des Originals.

Das kleine Buch der Stringtheorie bietet eine knappe und unterhaltsame Einführung in eines der meistdiskutierten Gebiete der modernen Physik. Die Stringtheorie gilt als eine „Theorie für Alles“, mit der sich sämtliche Grundkräfte der Natur beschreiben lassen. Bisher allerdings konnte sie experimentell nicht bestätigt werden, und unter Physikern wird sie sehr kontrovers diskutiert. Dieses Buch gibt Ihnen die Gelegenheit, sich ein eigenes Bild zu machen!

If a butterfly flaps its wings in Brazil, does it cause a tornado in Texas? Chaos theory attempts to answer such baffling questions. The discovery of randomness in apparently predictable physical systems has evolved into a science that declares the universe to be far more unpredictable than we have ever imagined. Introducing Chaos explains how chaos makes its presence felt in events from the fluctuation of animal populations to the ups and downs of the stock market. It also examines the roots of chaos in modern maths and physics, and explores the relationship between chaos and complexity, the unifying theory which suggests that all complex systems evolve from a few simple rules. This is an accessible introduction to an astonishing and controversial theory.

Die Übersetzung des Klassikers zur

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Quantenmechanik von Nobelpreisträger Cohen-Tannoudji und seinen Co-Autoren führt Studierende auf hocheffektive Weise in die Prinzipien und Konzepte der Quantenphysik ein. Jedes Kapitel besteht aus zwei selbständigen Teilen: Zu Beginn werden die grundlegenden Konzepte vorgestellt und in den darauffolgenden Ergänzungen an Hand von zahlreichen Anwendungen illustriert und vertieft. Das Werk erscheint nun in fünfter, durchgehend überarbeiteter Auflage. 5. Auflage der Übersetzung des Klassikers von Nobelpreisträger Cohen-Tannoudji und seinen Co-Autoren Effektiver Zugang zur Quantenmechanik Eignet sich als Lehr- und Übungsbuch sowie als Nachschlagewerk Mit zahlreichen Aufgaben Aus dem Inhalt: Elementare Streutheorie Der Spin des Elektrons Addition von Drehimpulsen Stationäre Störungstheorie Fein- und Hyperfeinstruktur des Wasserstoffatoms Näherungsmethoden für zeitabhängige Probleme Systeme identischer Teilchen

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