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The Arrow Of Time - Roger Highfield 2015-06-30
In our century, the subject of time has become an area of serious inquiry for science. Theories that contain time as a simple quantity form the basis of our understanding of many scientific disciplines, yet the debate rages on: why does there seem to be a direction to time, an arrow of time pointing from past to future? In this authoritative and accessible Sunday Times bestseller, physical chemist Dr Peter Coveney and award-winning science journalist Dr Roger Highfield demonstrate that the common sense view of time agrees with the most advanced scientific theory. Time does in fact move like an arrow, shooting forward into what is genuinely unknown, leaving the past immutably behind. The authors make their case by exploring three centuries of science, offering bold reinterpretations of Newton’s mechanics, Einstein’s special and general theories of relativity, quantum mechanics, and advancing the insights of chaos theory. In their voyage through science the authors link apparently irreconcilable subjects, from Einstein’s obsession with causality to chaos theory, from Marvell’s winged chariot to that Monday morning feeling. Finally, drawing together the various interpretations of time, they describe a novel way to give it a sense of direction. And they call for a new fundamental theory to take account of the Arrow of Time. Foreword by Ilya Prigogine, Nobel laureate.
The Theory of Everything - Don Lincoln 2017-01-27

Physics and Technology for Future Presidents - Richard A. Muller 2010-04-12
Physics for future world leaders Physics and Technology for Future Presidents contains the essential physics that students need in order to understand today's core science and technology issues, and to become the next generation of world leaders. From the physics of energy to climate change, and from spy technology to quantum computers, this is the only textbook to focus on the modern physics affecting the decisions of political leaders and CEOs and, consequently, the lives of every citizen. How practical are alternative energy sources? Can satellites really read license plates from space? What is the quantum physics behind iPods and supermarket scanners? And how much should we fear a terrorist nuke? This lively book empowers students possessing any level of scientific background with the tools they need to make informed decisions and to argue their views persuasively with anyone—expert or otherwise. Based on Richard Muller's renowned course at Berkeley, the book explores critical physics topics: energy and power, atoms and heat, gravity and space, nuclei and radioactivity, chain reactions and atomic bombs, electricity and magnetism, waves, light, invisible light, climate change, quantum physics, and relativity. Muller engages readers through many intriguing examples, helpful facts to remember, a fun-to-read text, and an emphasis on real-world problems rather than mathematical computation. He includes chapter summaries, essay and discussion questions, Internet research topics, and handy tips for instructors to make the classroom experience more rewarding. Accessible and entertaining, Physics and Technology for Future Presidents gives students the scientific fluency they need to become well-rounded leaders in a world driven by science and technology. Leading universities that have adopted this book include: Harvard Purdue Rice University University of Chicago Sarah Lawrence College Notre Dame Wellesley Wesleyan University of Colorado Northwestern Washington University in St. Louis University of Illinois - Urbana-Champaign Fordham University of Miami George Washington University Some images inside the book are unavailable due to digital copyright restrictions.
Facts and Mysteries in Elementary Particle Physics - Martinus J G Veltman 2018-03-21
This book provides a comprehensive overview of modern particle physics accessible to anyone with a true passion for wanting to know how the universe works. We are introduced to the known particles of the world we live in. An elegant explanation of quantum mechanics and relativity paves the way for an understanding of the laws that govern particle physics. These laws are put into action in the world of accelerators, colliders and detectors found at institutions such as CERN and Fermilab that are in the forefront of technical innovation. Real world and theory meet using Feynman diagrams to solve the problems of infinities and deduce the need for the Higgs boson. Facts and Mysteries in Elementary Particle Physics offers an incredible insight from an eyewitness and participant in some of the greatest discoveries in 20th century science. From Einstein's theory of relativity to the spectacular discovery of the Higgs particle, this book will fascinate and educate anyone interested in the world of quarks, leptons and gauge theories. This book also contains many thumbnail sketches of particle physics personalities, including contemporaries as seen through the eyes of the author. Illustrated with pictures, these candid sketches present rare, perceptive views of the characters that populate the field. The Chapter on Particle Theory, in a pre-publication, was termed "superbly lucid" by David Miller in Nature (Vol. 396, 17 Dec. 1998, p. 642). Contents: IntroductionPreliminariesThe Standard ModelQuantum Mechanics. MixingEnergy, Momentum and Mass-ShellDetectionAccelerators and Storage RingsThe CERN Neutrino ExperimentThe Particle ZooParticle TheoryFinding the HiggsQuantum ChromodynamicsEpilogueAddendum Readership: Students, lay people and anyone interested in the world of elementary particles. Keywords: Particle Physics;Quantum Mechanics;Relativity;Quarks;Leptons;Gauge Theories;Higgs ParticleReview: Reviews of the First Edition: "Veltman's life spans the history of particle physics, from Antiparticles to Z bosons. So does his crystal clear book, which tells all you want to know about the strange sub-nuclear world and the stranger scientists that study it ... a thrilling tale about the world's tiniest things." Sheldon Glashow Nobel laureate Boston University "I must congratulate you! The book you have written is truly a masterpiece. Not only have you explained the physics of the world of elementary particles to the young aspiring student, but you have made it available to the intelligent layman. On top of that you gave it the humanity it deserves; reading this book brought me back to the most exciting period of my life in which every day brought a new discovery and we all fought for recognition. I can truly say that there is no book like this." Melvin Schwartz Nobel laureate Columbia University "Veltman's ... transparent explanations of the abstract theories of quantum mechanics and special relativity, his lucid accounts of esoteric subjects in particle physics, such as scaling, Higgs particle and renormalizability ... are very impressive. The book will interest anyone who is interested in the view of the physical world held by contemporary fundamental physicists."T Y Cao Boston University "I greatly enjoyed finally reading a book that goes into the details I always wanted ... Veltman has the courage to try a deeper level about what we understand and what is simply fact ... Even if you have read books popularizing physics befor
The Particle at the End of the Universe - Sean Carroll 2013-08-27
Examines the effort to discover the Higgs boson particle by tracing the development and use of the Large

Hadron Collider and how its findings are dramatically shaping scientific understandings while enabling world-changing innovations.
Physics for Scientists and Engineers - Paul M. Fishbane 1995-12-01

Mysteries of Modern Physics: Time Series -
Time seems to be woven into the very fabric of the universe. But why? In 24 riveting half-hour episodes, Mysteries of Modern Physics: Time shows how a feature of the world that we all experience connects us to the instant of the formation of the universe-and possibly to a multiverse that is unimaginably larger and more varied than the known cosmos.
The Great Questions of Philosophy and Physics - Steven Gimbel 2020-03-18

The Encyclopaedia Britannica - Hugh Chisholm 1911

Quantum Shift - Heidi Ann Russell 2015-10-13
While the field of science has made incredible advances in the past century, and more and more scientists have gone to great lengths to make these developments accessible to the public, we still rarely hear ministers and communities of faith discussing the implications of these developments for the life of faith. Quantum Shift explores recent developments in science from relativity to quantum mechanics to cosmology and then suggests ways in which people of faith might engage these scientific developments to foster their understanding of God and what it means to be part of the world we believe God created. Heidi Ann Russell demonstrates how these scientific developments offer us new and exciting images that spark our theological imaginations and reinvigorate our spiritual lives. Includes Illustrations
A Course in Modern Mathematical Physics - Peter Szekeres 2004-12-16
This textbook, first published in 2004, provides an introduction to the major mathematical structures used in physics today.
At the Edge of Time - Dan Hooper 2021-04-06
At the edge of time -- A world of time and space -- A world without a beginning? -- Glimpses of the big bang -- The universe and the accelerator -- The origins of everything -- Hearts of darkness -- A beacon in the dark? -- Radically rethinking dark matter -- A flash in time -- Endless worlds most beautiful -- Touching the edge of time.
The Fabric of the Cosmos - Brian Greene 2007-12-18
From Brian Greene, one of the world’s leading physicists and author of the Pulitzer Prize finalist The Elegant Universe, comes a grand tour of the universe that makes us look at reality in a completely different way. Space and time form the very fabric of the cosmos. Yet they remain among the most mysterious of concepts. Is space an entity? Why does time have a direction? Could the universe exist without space and time? Can we travel to the past? Greene has set himself a daunting task: to explain non-intuitive, mathematical concepts like String Theory, the Heisenberg Uncertainty Principle, and Inflationary Cosmology with analogies drawn from common experience. From Newton’s unchanging realm in which space and time are absolute, to Einstein’s fluid conception of spacetime, to quantum mechanics’ entangled arena where vastly distant objects can instantaneously coordinate their behavior, Greene takes us all, regardless of our scientific backgrounds, on an irresistible and revelatory journey to the new layers of reality that modern physics has discovered lying just beneath the surface of our everyday world.
Special Topics in Calamity Physics - Marisha Pessl 2006-08-03
The mesmerizing New York Times bestseller by the author of Night Film Marisha Pessl’s dazzling debut sparked raves from critics and heralded the arrival of a vibrant new voice in American fiction. At the center of Special Topics in Calamity Physics is clever, deadpan Blue van Meer, who has a head full of literary, philosophical, scientific, and cinematic knowledge. But she could use some friends. Upon entering the elite St. Gallway School, she finds some—a clique of eccentrics known as the Bluebloods. One drowning and one hanging later, Blue finds herself puzzling out a byzantine murder mystery. Nabokov meets Donna Tartt (then invites the rest of the Western Canon to the party) in this novel—with visual aids drawn by the author—that has won over readers of all ages.
Warped Passages - Lisa Randall 2009-11-10
The universe has many secrets. It may hide additional dimensions of space other than the familier three we recognize. There might even be another universe adjacent to ours, invisible and unattainable . . . for now. Warped Passages is a brilliantly readable and altogether exhilarating journey that tracks the arc of discovery from early twentieth-century physics to the razor's edge of modern scientific theory. One of the world's leading theoretical physicists, Lisa Randall provides astonishing scientific possibilities that, until recently, were restricted to the realm of science fiction. Unraveling the twisted threads of the most current debates on relativity, quantum mechanics, and gravity, she explores some of the most fundamental questions posed by Nature—taking us into the warped, hidden dimensions underpinning the universe we live in, demystifying the science of the myriad worlds that may exist just beyond our own.
From Eternity to Here - Sean Carroll 2010-10-26
"An accessible and engaging exploration of the mysteries of time." -Brian Greene, author of The Elegant Universe Twenty years ago, Stephen Hawking tried to explain time by understanding the Big Bang. Now, Sean Carroll says we need to be more ambitious. One of the leading theoretical physicists of his generation, Carroll delivers a dazzling and paradigm-shifting theory of time's arrow that embraces subjects from entropy to quantum mechanics to time travel to information theory and the meaning of life. From Eternity to Here is no less than the next step toward understanding how we came to exist, and a fantastically approachable read that will appeal to a broad audience of armchair physicists, and anyone who ponders the nature of our world.
Understanding the Misconceptions of Science - Don Lincoln 2019-04-15

The Order of Time - Carlo Rovelli 2018-05-08
One of TIME’s Ten Best Nonfiction Books of the Decade "Meet the new Stephen Hawking . . . The Order of Time is a dazzling book." --The Sunday Times From the bestselling author of Seven Brief Lessons on Physics, Reality Is Not What It Seems, and Helgoland, comes a concise, elegant exploration of time. Why do we remember the past and not the future? What does it mean for time to "flow"? Do we exist in time or does time exist in us? In lyric, accessible prose, Carlo Rovelli invites us to consider questions about the nature of time that continue to puzzle physicists and philosophers alike. For most readers this is unfamiliar terrain. We all experience time, but the more scientists learn about it, the more mysterious it remains. We think of it as uniform and universal, moving steadily from past to future, measured by clocks. Rovelli tears down these assumptions one by one, revealing a strange universe where at the most fundamental level time disappears. He explains how the theory of quantum gravity attempts to understand and give meaning to the resulting extreme landscape of this timeless world. Weaving together ideas from philosophy, science and literature, he suggests that our perception of the flow of time depends on our perspective, better understood starting from the structure of our brain and emotions than from the physical universe. Already a bestseller in Italy, and written with the poetic vitality that made Seven Brief Lessons on Physics so appealing, The Order of Time offers a profoundly intelligent, culturally rich, novel appreciation of the mysteries of time.
Spooky Action at a Distance - George Musser 2015-11-03
What is space? It isn't a question that most of us normally stop to ask. Space is the venue of physics; it's where things exist, where they move and take shape. Yet over the past few decades, physicists have discovered a phenomenon that operates outside the confines of space and time. The phenomenon-the ability of one particle to affect another instantly across the vastness of space-appears to be almost magical. Einstein grappled with this oddity and couldn't quite resolve it, describing it as "spooky action at a distance." But this strange occurrence has direct connections to black holes, particle collisions, and even the workings of gravity. If space isn't what we thought it was, then what is it?In Spooky Action at a Distance, George Musser sets out to answer that question, offering a provocative exploration of nonlocality and a celebration of the scientists who are trying to understand it. Musser guides us on an epic journey of scientific discovery into the lives of experimental physicists observing particles acting in tandem, astronomers discovering galaxies that look statistically identical, and cosmologists hoping to unravel the paradoxes surrounding the big bang. Their conclusions challenge our understanding not only of space and time but of the origins of the universe-and their insights are spurring profound technological innovation and suggesting a new grand

unified theory of physics.

The Mysteries of Modern Physics - Sean Michael Carroll 2012

An exploration of the mysteries of why time works the way it does addressed by physics, philosophy, biology, neuroscience, and cosmology.

The World According to Physics - Jim Al-Khalili 2020-03-10

Scale -- Space and time -- Energy and matter -- The quantum world -- Thermodynamics and the arrow of time -- Unification -- The future of physics -- The usefulness of physics -- Thinking like a physicist.

The Elegant Universe - Brian Greene 2000

Introduces the superstring theory that attempts to unite general relativity and quantum mechanics

The Biggest Ideas in the Universe - Sean Carroll 2022-09-20

INSTANT NEW YORK TIMES BESTSELLER “Most appealing... technical accuracy and lightness of tone... Impeccable.”—Wall Street Journal “A porthole into another world.”—Scientific American “Brings science dissemination to a new level.”—Science The most trusted explainer of the most mind-boggling concepts pulls back the veil of mystery that has too long cloaked the most valuable building blocks of modern science. Sean Carroll, with his genius for making complex notions entertaining, presents in his uniquely lucid voice the fundamental ideas informing the modern physics of reality. Physics offers deep insights into the workings of the universe but those insights come in the form of equations that often look like gobbledygook. Sean Carroll shows that they are really like meaningful poems that can help us fly over sierras to discover a miraculous multidimensional landscape alive with radiant giants, warped space-time, and bewilderingly powerful forces. High school calculus is itself a centuries-old marvel as worthy of our gaze as the Mona Lisa. And it may come as a surprise the extent to which all our most cutting-edge ideas about black holes are built on the math calculus enables. No one else could so smoothly guide readers toward grasping the very equation Einstein used to describe his theory of general relativity. In the tradition of the legendary Richard Feynman lectures presented sixty years ago, this book is an inspiring, dazzling introduction to a way of seeing that will resonate across cultural and generational boundaries for many years to come.

Clearing a Path for the Gospel: A Lutheran Approach to Apologetics - Arthur Eggert 2019-09-11

Clearing a Path for the Gospel addresses numerous apologetics issues facing the Lutheran church in the twenty-first century. It explains how all truth is measured relative to some standard, and then it examines various standards of truth. It explains when the apologist can use reason to defend Biblical teachings and when the apologist must argue strictly from what is revealed in the Bible.

Seven Brief Lessons on Physics - Carlo Rovelli 2016-03-01

The New York Times bestseller from the author of The Order of Time and Reality Is Not What It Seems and Helgoland “One of the year’s most entrancing books about science.”—The Wall Street Journal “Clear, elegant...a whirlwind tour of some of the biggest ideas in physics.”—The New York Times Book Review This playful, entertaining, and mind-bending introduction to modern physics briskly explains Einstein's general relativity, quantum mechanics, elementary particles, gravity, black holes, the complex architecture of the universe, and the role humans play in this weird and wonderful world. Carlo Rovelli, a renowned theoretical physicist, is a delightfully poetic and philosophical scientific guide. He takes us to the frontiers of our knowledge: to the most minute reaches of the fabric of space, back to the origins of the cosmos, and into the workings of our minds. The book celebrates the joy of discovery. “Here, on the edge of what we know, in contact with the ocean of the unknown, shines the mystery and the beauty of the world,” Rovelli writes. “And it’s breathtaking.”

The Big Bang and Beyond - 2021-11-24

The God Equation - Michio Kaku 2022-03-29

#1 NEW YORK TIMES BESTSELLER • The epic story of the greatest quest in all of science—the holy grail of physics that would explain the creation of the universe—from renowned theoretical physicist and author of The Future of the Mind and The Future of Humanity When Newton discovered the law of gravity, he unified the rules governing the heavens and the Earth. Since then, physicists have been placing new forces into ever-grander theories. But perhaps the ultimate challenge is achieving a monumental synthesis of the two remaining theories—relativity and the quantum theory. This would be the crowning achievement of science, a profound merging of all the forces of nature into one beautiful, magnificent equation to unlock the deepest mysteries in science: What happened before the Big Bang? What lies on the other side of a black hole? Are there other universes and dimensions? Is time travel possible? Why are we here? Kaku also explains the intense controversy swirling around this theory, with Nobel laureates taking opposite sides on this vital question. It is a captivating, gripping story; what’s at stake is nothing less than our conception of the universe. Written with Kaku’s trademark enthusiasm and clarity, this epic and engaging journey is the story of The God Equation.

Time's Arrow and Archimedes' Point - Huw Price 1997-12-04

Why is the future so different from the past? Why does the past affect the future and not the other way around? What does quantum mechanics really tell us about the world? In this important and accessible book, Huw Price throws fascinating new light on some of the great mysteries of modern physics, and connects them in a wholly original way. Price begins with the mystery of the arrow of time. Why, for example, does disorder always increase, as required by the second law of thermodynamics? Price shows that, for over a century, most physicists have thought about these problems the wrong way. Misled by the human perspective from within time, which distorts and exaggerates the differences between past and future, they have fallen victim to what Price calls the "double standard fallacy": proposed explanations of the difference between the past and the future turn out to rely on a difference which has been slipped in at the beginning, when the physicists themselves treat the past and future in different ways. To avoid this fallacy, Price argues, we need to overcome our natural tendency to think about the past and the future differently. We need to imagine a point outside time -- an Archimedean "view from nowhen" -- from which to observe time in an unbiased way. Offering a lively criticism of many major modern physicists, including Richard Feynman and Stephen Hawking, Price shows that this fallacy remains common in physics today -- for example, when contemporary cosmologists theorize about the eventual fate of the universe. The "big bang" theory normally assumes that the beginning and end of the universe will be very different. But if we are to avoid the double standard fallacy, we need to consider time symmetrically, and take seriously the possibility that the arrow of time may reverse when the universe recollapses into a "big crunch." Price then turns to the greatest mystery of modern physics, the meaning of quantum theory. He argues that in missing the Archimedean viewpoint, modern physics has missed a radical and attractive solution to many of the apparent paradoxes of quantum physics. Many consequences of quantum theory appear counterintuitive, such as Schrodinger's Cat, whose condition seems undetermined until observed, and Bell's Theorem, which suggests a spooky "nonlocality," where events happening simultaneously in different places seem to affect each other directly. Price shows that these paradoxes can be avoided by allowing that at the quantum level the future does, indeed, affect the past. This demystifies nonlocality, and supports Einstein's unpopular intuition that quantum theory describes an objective world, existing independently of human observers: the Cat is alive or dead, even when nobody looks. So interpreted, Price argues, quantum mechanics is simply the kind of theory we ought to have expected in microphysics -- from the symmetric standpoint. Time's Arrow and Archimedes' Point presents an innovative and controversial view of time and contemporary physics. In this exciting book, Price urges physicists, philosophers, and anyone who has ever pondered the mysteries of time to look at the world from the fresh perspective of Archimedes' Point and gain a deeper understanding of ourselves, the universe around us, and our own place in time.

Examining the Big Questions of Time - 2021-02-18

A Universe from Nothing - Lawrence Maxwell Krauss 2012

Shares provocative and revelatory answers to such philosophical conundrums as the origins of the universe and how it will end, offering scientific explanations about the immense process through which life evolved.

The Singular Universe and the Reality of Time - Roberto Mangabeira Unger 2015

Roberto Mangabeira Unger and Lee Smolin argue for a revolution in our cosmological ideas. Ideal for non-scientists, physicists and cosmologists.

The Big Picture - Sean Carroll 2016-05-10

The instant New York Times bestseller about humanity's place in the universe—and how we understand it. “Vivid...impressive....Splendidly informative.”—The New York Times “Succeeds spectacularly.”—Science “A

tour de force.”—Salon Already internationally acclaimed for his elegant, lucid writing on the most challenging notions in modern physics, Sean Carroll is emerging as one of the greatest humanist thinkers of his generation as he brings his extraordinary intellect to bear not only on Higgs bosons and extra dimensions but now also on our deepest personal questions: Where are we? Who are we? Are our emotions, our beliefs, and our hopes and dreams ultimately meaningless out there in the void? Do human purpose and meaning fit into a scientific worldview? In short chapters filled with intriguing historical anecdotes, personal asides, and rigorous exposition, readers learn the difference between how the world works at the quantum level, the cosmic level, and the human level—and then how each connects to the other. Carroll's presentation of the principles that have guided the scientific revolution from Darwin and Einstein to the origins of life, consciousness, and the universe is dazzlingly unique. Carroll shows how an avalanche of discoveries in the past few hundred years has changed our world and what really matters to us. Our lives are dwarfed like never before by the immensity of space and time, but they are redeemed by our capacity to comprehend it and give it meaning. The Big Picture is an unprecedented scientific worldview, a tour de force that will sit on shelves alongside the works of Stephen Hawking, Carl Sagan, Daniel Dennett, and E. O. Wilson for years to come.

Death By Black Hole - Neil deGrasse Tyson 2007-01-16

A collection of essays on the cosmos, written by an American Museum of Natural History astrophysicist, includes "Holy Wars," "Ends of the World," and "Hollywood Nights."

The Debaters of This Age - Steven H Propp 2019-02-05

It is June 2018 as an unusual group of scholars, professors, lecturers, and students gather in a California hotel. They are all attendees of an Apologetics conference intended to join qualified representatives of Christian, Deist, and Atheist thought for a two-week, no-holds-barred debate and discussion of their respective positions that will ultimately be included in a book published after the conference. Evangelical Christianity is represented by advocates of Evidentialist and Presuppositionalist approaches to Apologetics. Catholicism, liberal Christianity, and Deism are also well-supported. The Atheist perspective is advocated by a polemical author and a college professor notorious for attacking the views of his Christian students. As the participants argue over controversial issues such as cosmology, evolution, The Bible, historical evidence for Jesus, the resurrection, biblical prophecies, and the problem of evil, intellectual fireworks result. But what will result when such a volatile and eclectic group is placed face-to-face for more than two weeks? The Debaters of this Age is the tale of what happens inside a California hotel in 2018 when a group of intellectuals gather to vigorously discuss the religious issues of our time.

How Science Shapes Science Fiction - Charles L. Adler 2020-07-08

The Grand Design - Stephen Hawking 2010-09-07

#1 NEW YORK TIMES BESTSELLER When and how did the universe begin? Why are we here? What is the nature of reality? Is the apparent “grand design” of our universe evidence of a benevolent creator who set things in motion—or does science offer another explanation? In this startling and lavishly illustrated book, Stephen Hawking and Leonard Mlodinow present the most recent scientific thinking about these and other abiding mysteries of the universe, in nontechnical language marked by brilliance and simplicity. According to quantum theory, the cosmos does not have just a single existence or history. The authors explain that we ourselves are the product of quantum fluctuations in the early universe, and show how quantum theory predicts the “multiverse”—the idea that ours is just one of many universes that appeared spontaneously out of nothing, each with different laws of nature. They conclude with a riveting assessment of M-theory, an explanation of the laws governing our universe that is currently the only viable candidate for a “theory of everything”: the unified theory that Einstein was looking for, which, if confirmed, would represent the ultimate triumph of human reason.

Creation - Arthur A. Eggert 2022-04-07

The LORD’s creation of the earth and the universe was awe-inspiring. He began it in eternity with a decree of what he would do before he did any creating. He then turned absolutely nothing into space, time, matter, and energy.

Physics for Scientists and Engineers, Volume 2 - Raymond A. Serway 2013-01-01

Achieve success in your physics course by making the most of what PHYSICS FOR SCIENTISTS AND ENGINEERS has to offer. From a host of in-text features to a range of outstanding technology resources, you'll have everything you need to understand the natural forces and principles of physics. Throughout every chapter, the authors have built in a wide range of examples, exercises, and illustrations that will help you understand the laws of physics AND succeed in your course! Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Mysteries of Modern Physics - Teaching Company, LLC, The 2012

What Einstein Got Wrong -

Einstein's greatest triumph was his general theory of relativity, which built on special relativity and led to a radically new understanding of the geometry of space and time. Einstein followed a rocky road to this breakthrough, with mistakes that hampered his progress and almost gave the honor of discovery to a rival.