The Early Universe Facts And Fiction Texts And Monographs In Physics

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Fact and Fiction in Contemporary Narratives - Jan Alber 2021-05-11
This book explores the complex interrelationship between fact and fiction in narratives of the twenty-first century. Current cultural theory observes a cultural shift away from postmodernism to new forms of expression. Rather than a radical break from the postmodern, however, postmodernist techniques are repurposed to express a new sincerity, a purposeful self-reflexivity, a contemporary sense of togetherness and an associated commitment to reality. In what the editors consider to be one manifestation of this general tendency, this book explores the ways in which contemporary texts across different media play with the boundary between fact and fiction. This includes the examination of novels, autobiography, autofiction, film, television, mockumentary, digital fiction, advertising campaigns and media hoaxes. The chapters engage with theories of what comes after postmodernism and analyse the narratological, stylistic and/or semiotic devices on which such texts rely. The chapters in this book were originally published as a special issue of the European Journal of English Studies.
My First Big Book of Space Facts - Ruth Owen 2020

The Wondrous Universe - Gerhard Börner 2011-10-28
The world as it is viewed from modern physics and cosmology has many strange and unexpected features. Often these are in stark contrast with our everyday experience or our preconceptions, such as the concept of space and time as finite and changeable. Nevertheless it is this strange world which is the fundamental basis of our existence. Therefore modern science also has a few things to say about the age-old questions: Who are we? – Where do we come from? – Where are we going? The author, an experienced scientist and teacher, presents the knowledge that we have about our world for non-experts. He takes us on a journey through cosmology and the quantum world of elementary particles. And he sketches the impact of the insights gained into philosophical assumptions and religious beliefs in these disciplines. In the end he asks the speculative question whether there is something beyond the limits of the natural sciences.
The Day We Found the Universe - Marcia Bartusiak 2010-03-09
The riveting and mesmerizing story behind a watershed period in human history, the discovery of the startling size and true nature of our universe. On New Years Day in 1925, a young Edwin Hubble released his finding that our Universe was far bigger, eventually

measured as a thousand trillion times larger than previously believed. Hubble's proclamation sent shock waves through the scientific community. Six years later, in a series of meetings at Mount Wilson Observatory, Hubble and others convinced Albert Einstein that the Universe was not static but in fact expanding. Here Marcia Bartusiak reveals the key players, battles of will, clever insights, incredible technology, ground-breaking research, and wrong turns made by the early investigators of the heavens as they raced to uncover what many consider one of most significant discoveries in scientific history.

Astrophysics, Clocks and Fundamental Constants - Savely G. Karshenboim 2004-08-11

The question of a possible temporal variation of the fundamental constants was raised by Paul Dirac in his "large number hypothesis" in 1937. Today it appears in the context of the search for a unified theory of the fundamental interactions. It touches both fundamental and applied physics, as the postulate of the unalterability of the constants is the foundation for modern metrology. The book presents reviews written by leading experts in the field. Focussing on the question of variations of the fundamental "constants" in time or space, the chapters cover the theoretical framework in which variations are expected and the search for variations of quantities like the fine-structure constant, the electron/proton mass ratio, g-factors of proton and neutron etc. in astrophysical and geophysical observations and in precision experiments with atomic clocks and frequency standards.

Project Hail Mary - Andy Weir 2021-05-04

#1 NEW YORK TIMES BESTSELLER • From the author of The Martian, a lone astronaut must save the earth from disaster in this "propulsive" (Entertainment Weekly), cinematic thriller full of suspense, humor, and fascinating science—in development as a major motion picture starring Ryan Gosling. HUGO AWARD FINALIST • ONE OF THE YEAR'S BEST BOOKS: Bill Gates, GatesNotes, New York Public Library, Parade, Newsweek, Polygon, Shelf Awareness, She Reads, Kirkus Reviews, Library Journal • "An epic story of redemption, discovery and cool speculative sci-fi."—USA Today "If you loved The Martian, you'll go crazy for Weir's latest."—The Washington Post Ryland Grace is the sole survivor on a desperate, last-chance mission—and if he fails, humanity and the earth itself will perish. Except that right now, he doesn't know that. He can't even remember his own name, let alone the nature of his assignment or how to complete it. All he knows is that he's been asleep for a very, very long time. And he's just been awakened to find himself millions of miles from home, with nothing but two corpses for company. His crewmates dead, his memories fuzzily returning, Ryland realizes that an impossible task now confronts him. Hurtling through space on this tiny ship, it's up to him to puzzle out an impossible scientific mystery—and conquer an extinction-level threat to our species. And with the clock ticking down and the nearest human being light-years away, he's got to do it all alone. Or does he? An irresistible interstellar adventure as only Andy Weir could deliver, Project Hail Mary is a tale of discovery, speculation, and survival to rival The Martian—while taking us to places it never dreamed of going.

The Fascinating Space Book for Kids - Lisa Reichley 2021-10-12

From asteroids to zodiac constellations--500 amazing space facts for kids ages 8 to 12 Do you know a kid who wants to know all about space? This intergalactic entry into space books for kids is bursting with 500 out-of-this-world facts for hours of space exploration from the comfort of Earth. Alongside full-color pictures on every page, kids can adventure through stars, planets, and space technology with this book of astronomy for kids. Go beyond other space books for kids with trivia such as: Mars is often referred to as the red planet because its surface is red due to iron oxide, or rust. The average lifespan of a star is 10 billion years. All the other planets in our solar system could fit between Earth and its moon. Kids will light up as they discover ice giants and famous astronomers with this standout among space books for kids.

The Beginning and the End of Everything - Paul Parsons 2018-11-01

'Prepare to have your mind blown! A brilliantly written overview of the past, present and future of modern cosmology.' - DALLAS CAMPBELL, author of Ad Astra The Beginning and the End of Everything is the whole story as we currently

understand it - from nothing, to the birth of our universe, to its ultimate fate. Authoritative and engaging, Paul Parsons takes us on a rollercoaster ride through billions of light years to tell the story of the Big Bang, from birth to death. 13.8 billion years ago, something incredible happened. Matter, energy, space and time all suddenly burst into existence in a cataclysmic event that's come to be known as the Big Bang. It was the birth of our universe. What started life smaller than the tiniest subatomic particle is now unimaginably vast and plays home to trillions of galaxies. The formulation of the Big Bang theory is a story that combines some of the most far-reaching concepts in fundamental physics with equally profound observations of the cosmos. From our realization that we are on a planet orbiting a star in one of many galaxies, to the discovery that our universe is expanding, to the groundbreaking theories of Einstein that laid the groundwork for the Big Bang cosmology of today - as each new discovery deepens our understanding of the origins of our universe, a clearer picture is forming of how it will all end. Will we ultimately burn out or fade away? Could the end simply signal a new beginning, as the universe rebounds into a fresh expanding phase? And was our Big Bang just one of many, making our cosmos only a small part of a sprawling multiverse of parallel universes?

The New Cosmos - Albrecht Unsöld 2013-03-09

Astronomy, astrophysics and space research have developed extensively and rapidly in the last few decades. The new opportunities for observation afforded by space travel, the development of high-sensitivity light detectors and the use of powerful computers have revealed new aspects of the fascinating world of galaxies and quasars, stars and planets. The fourth, completely revised edition of The New Cosmos bears witness to this explosive development. It provides a comprehensive but concise introduction to all of astronomy and astrophysics. It stresses observations and theoretical principles equally, requiring of the reader only basic mathematical and scientific background knowledge. Like its predecessors, this edition of The New Cosmos will be welcomed by students and researchers in the fields of astronomy, physics and earth sciences, as well as by serious amateur astronomers.

Particle Physics and Astrophysics. Current Viewpoints - Heinrich Mitter 2012-12-06

Eight carefully written articles on the interactions between the ideas and concepts of particle physics and those of astrophysics make up this book. Two long introductory lectures give a survey of modern concepts in particle physics and in astrophysics and cosmology, stressing features of common interest. The other six contributions deal with the physics of supernova explosions, with black holes, with neutrino oscillations, with the importance of phase transitions for the large-scale structure of the Universe, and with the use of the ideas of quantum gravity for computer simulations. These rather detailed review articles will be of value for many years to come. The book is intended for graduate students and researchers both in particle physics and in astrophysics.

Quantum Field Theory in Strongly Correlated Electronic Systems - Naoto Nagaosa 1999-09-20

In this book the author extends the concepts introduced in his Quantum Field Theory in Condensed Matter Physics to situations in which the strong electronic correlations are crucial for the understanding of the observed phenomena. Starting from a model field theory to illustrate the basic ideas, more complex systems are analyzed in turn. A special chapter is devoted to the description of antiferromagnets, doped Mott insulators, and quantum Hall liquids from the point of view of gauge theory.

Particle Physics and Astrophysics. Current Viewpoints - Heinrich Mitter 1989-03-23

Eight carefully written articles on the interactions between the ideas and concepts of particle physics and those of astrophysics make up this book. Two long introductory lectures give a survey of modern concepts in particle physics and in astrophysics and cosmology, stressing features of common interest. The other six contributions deal with the physics of supernova explosions, with black holes, with neutrino oscillations, with the importance of phase transitions for the large-scale structure of the Universe, and with the use of the ideas of quantum gravity for computer simulations. These rather detailed review articles will be of value for many years to come. The book is intended for graduate students and researchers

both in particle physics and in astrophysics.

The Possible Worlds of Hypertext Fiction - A. Bell 2010-03-10

Written in hypertext and read from a computer, hypertext novels exist as a collection of textual fragments, which must be pieced together by the reader. The Possible Worlds of Hypertext Fiction offers a new critical theory tailored specifically for this burgeoning genre, providing a much needed body of criticism in a key area of new media fiction.

Science & Technology in Fact and Fiction - DayAnn M. Kennedy 1990

Grade level: 8, 9, 10, 11, 12, i, s.

The Early Universe - Gerhard Börner 2013-03-14

This fourth edition of Börner's "The Early Universe" is practically a new book, not just updated version. In particular, it is now organized so as to make it more useful as a textbook. And problem sections are also added. In the centre are the connections between particle physics and cosmology: The standard model, some basic implications of quantum field theory and the questions of structure formation. Special emphasis is given to the observed anisotropies of the cosmic microwave background and the consequences drawn for cosmology and for the structure formation models. Nuclear and particle physicists and astrophysicists, researchers and teachers as well as graduate students will welcome this new edition of a classic text and reference.

Everything Awesome About Space and Other Galactic Facts! - Mike Lowery 2021-10-19

Blast off into outer space with this ultimate, 128-page book about everything you ever wanted to know about the universe, jam-packed with fun facts, jokes, comics, and more! Did you know that the surface of the sun is hot enough to make diamonds boil? Or that one year on Neptune is 165 Earth years? Or that space is thought to smell like... burnt steak?? Find out all this and more, in this comprehensive, hilarious outer space adventure from Mike Lowery!Perfect for fans of Dog Man who love nonfiction, this is the definitive, go-to book about everything AWESOME you EVER wanted to know about all things outer space Uncover a wealth of weird, wacky, and wild facts about our universe, from planets to supernovas to space travel and everything in-between, told in Mike Lowery's signature, acclaimed comic style with bright and energetic artwork, fresh framing devices, and hilarious jokes. This is the go-to book for space enthusiasts that kids will put in their backpacks and obsess over, bridging the gap between encyclopedic nonfiction content and lighter picture book fare, filling the need with a one-stop shop for the legions of 7-10 year olds who want to know absolutely everything there is to know about space.This book joins Everything Awesome About Dinosaurs and Other Prehistoric Beasts and Everything Awesome About Sharks and Other Underwater Creatures in this groundbreaking nonfiction series, covering the topics that kids love with a fresh and one-of-a-kind graphic novel approach. Discover the must-have, out-of-this-world guide for space fanatics, a madcap field guide full of facts and humor, and learn everything you ever wanted to know about outer space!

Contextualising Difficulties in Literacy Development - Janet Soler 2002

Together with Addressing Difficulties in Literacy Development, this reader forms the basis of the Open University's Difficulties in Literacy Development course, and is ideal for similar courses nationally and internationally.

A Fortunate Universe - Geraint F. Lewis 2016-10-06

Over the last forty years, scientists have uncovered evidence that if the Universe had been forged with even slightly different properties, life as we know it - and life as we can imagine it - would be impossible. Join us on a journey through how we understand the Universe, from its most basic particles and forces, to planets, stars and galaxies, and back through cosmic history to the birth of the cosmos. Conflicting notions about our place in the Universe are defined, defended and critiqued from scientific, philosophical and religious viewpoints. The authors' engaging and witty style addresses what fine-tuning might mean for the future of physics and the search for the ultimate laws of nature. Tackling difficult questions and providing thought-provoking answers, this volumes challenges us to consider our place in the cosmos, regardless of our initial convictions.

Analysis and Practices - Frans H. van Eemeren

1987-01-01

Contemporary Issues in Science & Christian Faith - American Scientific Affiliation 1992

Space Facts - Jenny Kellett 2016-01-28
Space Books for Kids The latest bumper fact book from leading non-fiction author, Jenny Kellett, is the perfect addition to any mini astronomers space books collection. Illustrated with stunning high resolution images, The Huge Book of Space Facts for Kids will teach the whole family more about the amazing universe we are part of. There is nothing bigger than space. No one even knows quite how big it is, but one thing's for sure - it's huge. With something so massive there is naturally a lot of exciting stuff going on, and the mere thought of it can make our existence on Earth seem insignificant. In The Huge Book of Space Facts we take you on an intergalactic journey across each of the planets, the Moon, Sun, stars, galaxies, asteroids and more. Find out just how hot the Sun is, what the difference between a comet and a meteor is, and impress your friends with your new-found knowledge of our truly amazing Universe. Aimed at children aged 10 plus, this fascinating space book is broken up into multiple categories to make it easy to navigate to your favorite topic of space facts. The Universe Moon Facts Sun Facts Solar System Facts Mercury Facts Venus Facts Mars Facts Jupiter Facts Saturn Facts Uranus Facts Neptune Facts Satellite Facts Stars Facts Black Hole Facts Comets, Meteroids, Dwarf Planets and Asteroids Galaxy Facts Astronaut Facts Example space facts - The first rockets were made 1,000 years ago in China. Only one side of the Moon is ever visible to Earth. It takes sunlight 12 minutes and 47 seconds to reach Mars. The Sun can cause tides on Earth, just like the Moon. The reason Venus is so bright in the sky is because the clouds are so dense that light bounces off of them, making it appear bright to us on Earth. .... and many, many more amazing space facts. Perfect as a gift, for school projects or for long car journeys, The Huge Book of Space Facts is a must-have in any astronomer's space books collection. Scroll up and buy today.

The Early Universe - Gerhard Börner 2013-04-17
Connections developed in recent years between particle physics and cosmologyare the focus of attention in this new textbook. The author describes some of the theories which have been developed to describe the fundamental interaction of elementary particles in the extremely high temperatures of the early universe, taking care to distinguish facts and well-established results from hypotheses and speculations. - The three parts of the book discuss the standard hot big bang model of the earlyuniverse, the basic ideas of the standard and the grand unified theories of elementary particles, and the influence of dark matter on the large-scale evolution of structure. In addition to making some minorcorrections the author has added an appendix presenting new results and an updated bibliography. Two main groups of readers are addressed: research students in astronomy can use this book to understand the impact of elementary particle theory on cosmology, while research students in particle physics can use it to acquaint themselves with the basic facts of cosmology. The book is written carefully enough to appeal also to a wider audience of physicists.

The Soul Hypothesis - Mark C. Baker 2010-12-16
What do we mean when we speak about the soul? What are the arguments for the existence of the soul as distinct from the physical body? Do animals have souls? What is the difference between the mind and the soul? The Soul Hypothesis brings together experts from philosophy, linguistics and science to discuss the validity of these questions in the modern world. They contend that there is an aspect of the nature of human beings that is not reducible to the matter that makes up our bodies. This perspective is part of a family of views traditionally classified in philosophy as substance dualism, and has something serious in common with the ubiquitous human belief in the soul. The Soul Hypothesis presents views from a range of sciences and the resulting big picture shows, more clearly than could a single author with one area of expertise, that there is room for a soul hypothesis.

The Mechanics and Thermodynamics of Continuous Media - Miroslav Silhavy 1997
From the reviews: "The book is excellent, and

covers a very broad area (usually treated as separate topics) from a unified perspective. [...] It will be very useful for both mathematicians and physicists." EMS Newsletter

Forthcoming Books - Rose Arny 1997

Finite Quantum Electrodynamics - G. Scharf 2012-12-06

In this textbook for graduate students in physics the author carefully analyses the role of causality in Q.E.D. This new approach avoids ultraviolet divergences, so that the detailed calculations of scattering processes and proofs can be carried out in a mathematically rigorous manner. Significant themes such as renormalizability, gauge invariance, unitarity, renormalization group, interacting fields and axial anomalies are discussed. The extension of the methods to non-abelian gauge theories is briefly described. The book differs considerably from its first edition: Chap. 3 on Causal Perturbation Theory was completely rewritten and Chap. 4 on Properties of the S-Matrix and Chap. 5 on Other Electromagnetic Couplings are new.

Non-accelerator Particle Physics, - Hans Volker Klapdor-Kleingrothaus 1995-09-28

A comprehensive introduction to the investigation of central problems in particle physics via non-accelerator experiments, bringing research in particle and nuclear physics together with astrophysics and cosmology. The first three chapters describe the current standard models of particle physics and cosmology, including an account of the limitation.

Galaxies: A Very Short Introduction - John Gribbin 2008-03-27

Galaxies are the building blocks of the Universe: standing like islands in space, each is made up of many hundreds of millions of stars in which the chemical elements are made, around which planets form, and where on at least one of those planets intelligent life has emerged. Our own galaxy, the Milky Way, is just one of several hundred million other galaxies that we can now observe through our telescopes. Yet it was only in the 1920s that we realised that there is more to the Universe than the Milky Way, and that there were in fact other 'islands' out there. In many ways, modern astronomy began with this discovery, and the story of galaxies is therefore the story of modern astronomy. Since then, many exciting discoveries have been made about our own galaxy and about those beyond: how a supermassive black hole lurks at the centre of every galaxy, for example, how enormous forces are released when galaxies collide, how distant galaxies provide a window on the early Universe, and what the formation of young galaxies can tell us about the mysteries of Cold Dark Matter. In this Very Short Introduction, renowned science writer John Gribbin describes the extraordinary things that astronomers are learning about galaxies, and explains how this can shed light on the origins and structure of the Universe. ABOUT THE SERIES: The Very Short Introductions series from Oxford University Press contains hundreds of titles in almost every subject area. These pocket-sized books are the perfect way to get ahead in a new subject quickly. Our expert authors combine facts, analysis, perspective, new ideas, and enthusiasm to make interesting and challenging topics highly readable.

Quantum Field Theory in Condensed Matter Physics - Naoto Nagaosa 2013-11-11

This is an approachable introduction to the important topics and recent developments in the field of condensed matter physics. First, the general language of quantum field theory is developed in a way appropriate for dealing with systems having a large number of degrees of freedom. This paves the way for a description of the basic processes in such systems. Applications include various aspects of superfluidity and superconductivity, as well as a detailed description of the fractional quantum Hall liquid.

Dynamic Cosmos - Mark S. Madsen 1996-05-15

This book makes accessible the basic principles and ideas of modern cosmological theory to undergraduates in mathematics, physics and related areas of study. The areas covered include observations, expansion of the universe, cosmological problems, formation of structure, production of helium in the early universe and inflationary models of the origin of the universe. There is an accessible treatment of inflationary theory, black holes, magnetic monopoles and boson stars. The dark matter debate is also discussed and detailed exercises are provided at

the end of each chapter. Previous knowledge of relativity or quantum field theory is not required; rather the book provides a detailed exposition of how cosmological theory has developed. The author aims to encourage students to develop their own insights into cosmology.

When We Cease to Understand the World - Benjamin Labatut 2021-09-28

One of The New York Times Book Review's 10 Best Books of 2021 Shortlisted for the 2021 International Booker Prize and the 2021 National Book Award for Translated Literature A fictional examination of the lives of real-life scientists and thinkers whose discoveries resulted in moral consequences beyond their imagining. When We Cease to Understand the World is a book about the complicated links between scientific and mathematical discovery, madness, and destruction. Fritz Haber, Alexander Grothendieck, Werner Heisenberg, Erwin Schrödinger—these are some of luminaries into whose troubled lives Benjamín Labatut thrusts the reader, showing us how they grappled with the most profound questions of existence. They have strokes of unparalleled genius, alienate friends and lovers, descend into isolation and insanity. Some of their discoveries reshape human life for the better; others pave the way to chaos and unimaginable suffering. The lines are never clear. At a breakneck pace and with a wealth of disturbing detail, Labatut uses the imaginative resources of fiction to tell the stories of the scientists and mathematicians who expanded our notions of the possible.

Fundamentals of Cosmology - James Rich 2013-04-17

A self-contained introduction to general relativity that is based on the homogeneity and isotropy of the local universe. Emphasis is placed on estimations of the densities of matter and vacuum energy, and on investigations of the primordial density fluctuations and the nature of dark matter.

Stellar Interiors - Carl J. Hansen 2004-02-26

The?rsteditionofthistextappearedin1994.Shortlyafterthethirdprinting, our editor suggested that we attempt a second edition because new develmentsinstellarstructureandevolutionhadmadeouroriginalworkoutdated. We (the original authors, CJH and SDK) reluctantly agreed but with reservations due to the e?ort involved. Our initial reluctance disappeared when we were able to convince (cajole, twist the arm of, etc.) our new coauth- colleague Virginia Trimble to join us. (Welcome Virginia!) We (i.e., all three of us) hope that you agree that the present edition is a great improvement compared to the 1994 e?ort. Our objectives in this edition are the same ones we set forth in 1994: Whatyouwill?ndisatextdesignedforourtargetaudience:thety- cal senior undergraduate or beginning graduate student in astronomy or astrophysics who wishes an overview of stellar structure and e- lution with just enough detail to understand the general picture. She or he can go on from there to more specialized texts or directly to the research literature depending on talent and interests. To this end, this text presents the basic physical principles without chasing all the (interesting!) details. For those of you familiar with the ?rst edition, you will ?nd that some things have not been changed substantially (F = ma is still F = ma), while othersde?nitelyhave.Forexample,Chapter2hasbeencompletelyrewritten.

Relativistic Quantum Mechanics and Introduction to Field Theory - Francisco J. Yndurain 2012-12-06

This advanced textbook supplies graduate students with a primer in quantum theory. A variety of processes are discussed with concepts such as potentials, classical current distributions, prescribed external fields dealt with in the framework of relativistic quantum mechanics. Then, in an introduction to field theory, the author emphasizes the deduction of the said potentials or currents. A modern presentation of the subject together with many exercises, unique in its unusual underlying concept of combining relativistic quantum mechanics with basic quantum field theory.

Creating Writers - James Carter 2020-11-25

This unique and comprehensive text offers an original approach to teaching creative writing by exploring ideas, giving advice, and explaining workshop activities and has many contributors from some of today's most popular children's authors including: Jacqueline Wilson, Roger McGough, Philip Pullman, Malorie Blackman and David Almond.Creating Writers is a practical writing manual for teachers to use with upper

primary and lower secondary level pupils that covers poetry, fiction and non-fiction.
Soviet Physics, Uspekhi - 1989

Conformal Invariance and Critical Phenomena - Malte Henkel 2013-03-14
Critical phenomena arise in a wide variety of physical systems. Classi cal examples are the liquid-vapour critical point or the paramagnetic ferromagnetic transition. Further examples include multicomponent fluids and alloys, superfluids, superconductors, polymers and fully developed tur bulence and may even extend to the quark-gluon plasma and the early uni verse as a whole. Early theoretical investigators tried to reduce the problem to a very small number of degrees of freedom, such as the van der Waals equation and mean field approximations, culminating in Landau's general theory of critical phenomena. Nowadays, it is understood that the common ground for all these phenomena lies in the presence of strong fluctuations of infinitely many coupled variables. This was made explicit first through the exact solution of the two-dimensional Ising model by Onsager. Systematic subsequent developments have been leading to the scaling theories of critical phenomena and the renormalization group which allow a precise description of the close neighborhood of the critical point, often in good agreement with experiments. In contrast to the general understanding a century ago, the presence of fluctuations on all length scales at a critical point is emphasized today. This can be briefly summarized by saying that at a critical point a system is scale invariant. In addition, conformal invaTiance permits also a non-uniform, local rescal ing, provided only that angles remain unchanged.
The Last Book in the Universe - Rodman Philbrick 2013-03-01
This fast-paced action novel is set in a future where the world has been almost destroyed. Like the award-winning novel Freak the Mighty, this is Philbrick at his very best.It's the story of an epileptic teenager nicknamed Spaz, who begins the heroic fight to bring human intelligence back to the planet. In a world where most people are plugged into brain-drain entertainment systems, Spaz is the rare human being who can see life as it really is. When he meets an old man called Ryter, he begins to learn about Earth and its past. With Ryter as his companion, Spaz sets off an unlikely quest to save his dying sister -- and in the process, perhaps the world.
Mathematical Physics X - 1992

The Hidden Reality - Brian Greene 2011-01-25
The bestselling author of The Elegant Universe and The Fabric of the Cosmos tackles perhaps the most mind-bending question in modern physics and cosmology: Is our universe the only universe? There was a time when "universe" meant all there is. Everything. Yet, a number of theories are converging on the possibility that our universe may be but one among many parallel universes populating a vast multiverse. Here, Briane Greene, one of our foremost physicists and science writers, takes us on a breathtaking journey to a multiverse comprising an endless series of big bangs, a multiverse with duplicates of every one of us, a multiverse populated by vast sheets of spacetime, a multiverse in which all we consider real are holographic illusions, and even a multiverse made purely of math--and reveals the reality hidden within each. Using his trademark wit and precision, Greene presents a thrilling survey of cutting-edge physics and confronts the inevitable question: How can fundamental science progress if great swaths of reality lie beyond our reach? The Hidden Reality is a remarkable adventure through a world more vast and strange than anything we could have imagined.