

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

Science has revolutionized our lives and continues to show inexorable progress today. It may seem obvious that this must be because its theories are steadily getting better and approaching the truth about the world. After all, what could science be progressing toward, if not the truth? But scholarship in the history, philosophy, and sociology of science offers little support for such a sanguine view. Those opposed to specific conclusions of the scientific community—nonbelievers in vaccinations, climate change, and evolution, for example—have been able to use a superficial understanding of the nature of science to sow doubt about the scientific consensus in those areas, leaving the general public confused as to whom to trust, with damaging effects for the health of individuals and the planet. The Great Paradox of Science argues that to better counter such anti-science efforts requires us to understand the nature of scientific knowledge at a much deeper level and dispel many myths and misconceptions. It is the use of scientific logic, the characteristics of which are elaborated on in the book, that enables the scientific community to arrive at reliable consensus judgments in which the public can retain a high degree of confidence. This scientific logic is applicable not just in science but can be used in all areas of life. Scientists, policymakers, and members of the general public will not only better understand why science works: They will also acquire the tools they need to make sound, rational decisions in all areas of their lives.

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

Everyone's favorite guide to fiction that's thrilling, mysterious, suspenseful, thought-provoking, romantic, and just plain fun is back—and better than ever in this completely revamped and revised edition. A must for every readers' advisory desk, this resource is also a useful tool for collection development librarians and students in LIS programs. Inside, RA experts Wyatt and Saricks cover genres such as Psychological Suspense, Horror, Science Fiction, Fantasy, Romance, Mystery, Literary and Historical Fiction, and introduce the concepts of Adrenaline and Relationship Fiction; include everything advisors need to get up to speed on a genre, including its appeal characteristics, key authors, sure bets, and trends; demonstrate how genres overlap and connect, plus suggestions for guiding readers among genres; and tie genre fiction to the whole collection, including nonfiction, audiobooks, graphic novels, film and TV, poetry, and games. Both insightful and comprehensive, this matchless guidebook will help librarians become familiar with many different fiction genres, especially those they do not regularly read, and aid library staff in connecting readers to books they're sure to love.

"Alleen op de vlucht" is het aangrijpende, waargebeurde verhaal van een Joodse jongen, die aan de Holocaust weet te ontsnappen. Tien jaar is hij pas, als hij op een dag thuiskomt en ontdekt dat zijn familie door de Duitsers is weggevoerd. Dan begint een leven van verstoppen, rondtrekken en liegen. Om te overleven vergeet hij zijn naam, zijn taal en zijn godsdienst en neemt hij een telkens wisselende identiteit aan. Een aangrijpend en waargebeurd verhaal, dat door Publishers Weekly wordt vergeleken met het dagboek van Anne Frank. Auteur Jack Kuper (1932) emigreerde in 1946 vanuit Polen naar Canada. Hij woont in Toronto en geeft nog altijd regelmatig lezingen over zijn leven tijdens de Tweede Wereldoorlog.

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

7 december 1941: vier broers doen op een klein eiland net buiten de kust voor Washington een buitengewone ontdekking. Alleen het nieuws over Pearl Harbor overschaduwde hun vondst. Heden: Cabrillo, op jacht naar een neergestorte satelliet in de Aregntijnse jungle, doet ook een schokkende ontdekking. Zijn poging het mysterie van zijn vondst te ontrafelen leidt hem naar dat kleine eiland bij Washington en nog veel verder terug, naar een eeuwenoude Chinese expeditie. Een vloek lijkt de tand des tijds te hebben doorstaan. Als Cabrillo's team slaagt in hun missie, zal de beloning ongekend zijn. Maar als hun expeditie mislukt, wacht hen slechts de dood...

A narrative of early capitalism's most famous scandal, a speculative frenzy that nearly bankrupted the British state during the hot summer of 1720 - and paradoxically led to the birth of modern finance.

Biografie van de Brit William Smith (1769-1839) die in 1815 de eerste geologische kaart van Engeland samenstelde. In a book that is both biography and the most exciting form of history, here are eighteen years in the life of a man, Albert Einstein, and a city, Berlin, that were in many ways the defining years of the twentieth century. Einstein in Berlin In the spring of 1913 two of the giants of modern science traveled to Zurich. Their mission: to offer the most prestigious position in the very center of European scientific life to a man who had just six years before been a mere patent clerk. Albert Einstein accepted, arriving in Berlin in March 1914 to take up his new post. In December 1932 he left Berlin forever. "Take a good look," he said to his wife as they walked away from their house. "You will never see it again." In between, Einstein's Berlin years capture in microcosm the odyssey of the twentieth century. It is a century that opens with extravagant hopes--and climaxes in unparalleled calamity. These are tumultuous times, seen through the life of

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

one man who is at once witness to and architect of his day--and ours. He is present at the events that will shape the journey from the commencement of the Great War to the rumblings of the next one. We begin with the eminent scientist, already widely recognized for his special theory of relativity. His personal life is in turmoil, with his marriage collapsing, an affair under way. Within two years of his arrival in Berlin he makes one of the landmark discoveries of all time: a new theory of gravity--and before long is transformed into the first international pop star of science. He flourishes during a war he hates, and serves as an instrument of reconciliation in the early months of the peace; he becomes first a symbol of the hope of reason, then a focus for the rage and madness of the right. And throughout these years Berlin is an equal character, with its astonishing eruption of revolutionary pathways in art and architecture, in music, theater, and literature. Its wild street life and sexual excesses are notorious. But with the debacle of the depression and Hitler's growing power, Berlin will be transformed, until by the end of 1932 it is no longer a safe home for Einstein. Once a hero, now vilified not only as the perpetrator of "Jewish physics" but as the preeminent symbol of all that the Nazis loathe, he knows it is time to leave.

The Roman Empire, arisen from the ash and ice that covered the world after the wrath of the gods fell from the heavens, must confront an ancient evil that threatens the entire known world...

David Bodanis (o.a. auteur van de bestsellers 'E=mc²', 'Het elektrisch universum' en 'Emilie & Voltaire') beschrijft in 'Einsteins grootste fout — Het leven van een feilbaar genie' hoe het succes van Einsteins grootste prestatie leidde tot zijn grootste mislukking. Berlijn, 1915. In hartje oorlogstijd

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

ontwikkelt Albert Einstein een magnifieke zwaartekrachttheorie, waarin hij beweert dat het universum uitzet. Collega-astronomen overtuigen Einstein zijn theorie aan te passen, hoewel een paar jaar later blijkt dat hij al die tijd gelijk heeft gehad. Vanaf dat moment ontwikkelt hij een koppig wantrouwen tegenover zijn collega's. Het zou zijn grootste misrekening zijn: terwijl zijn ster in societykringen stijgt, beginnen collega-wetenschappers hem steeds minder serieus te nemen. 'Einsteins grootste fout' is een zeer toegankelijke intellectuele biografie en — verteld aan de hand van Einsteins meeslepende persoonlijke verhaal — een fantastische wetenschappelijke uiteenzetting van de onderliggende structuur van het heelal.

De geesteswetenschappen hebben het niet makkelijk. Als het niet direct geld oplevert, kan het niet belangrijk zijn, het lijkt soms wel alsof iedereen er zo over denkt. Toen Fareed Zakaria nog een kind was in India, leek het volgen van een technologische opleiding in Amerika dan ook de kortste weg naar succes. Maar Zakaria was geïnteresseerd in andere vakken: Engels, geschiedenis, filosofie. En nu hij een succesvolle schrijver en journalist is geworden, beseft hij dat hij de juiste keuze gemaakt heeft. Juist in een tijd waarin technologie zo snel verandert, is het belangrijk om helder te denken, goed te argumenteren, en altijd te willen blijven leren. Voor

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

die vaardigheden kun je nergens beter terecht dan bij de geesteswetenschappen, laat Zakaria zien in dit vlammende betoog voor leergierigheid zonder grenzen.

First published in 1922 and based on lectures delivered in May 1921, Albert Einstein's *The Meaning of Relativity* offered an overview and explanation of the then new and controversial theory of relativity. The work would go on to become a monumental classic, printed in numerous editions and translations worldwide. Now, *The Formative Years of Relativity* introduces Einstein's masterpiece to new audiences. This beautiful volume contains Einstein's insightful text, accompanied by important historical materials and commentary looking at the origins and development of general relativity. Hanoch Gutfreund and Jürgen Renn provide fresh, original perspectives, placing Einstein's achievements into a broader context for all readers. In this book, Gutfreund and Renn tell the rich story behind the early reception, spread, and consequences of Einstein's ideas during the formative years of general relativity in the late 1910s and 1920s. They show that relativity's meaning changed radically throughout the nascent years of its development, and they describe in detail the transformation of Einstein's work from the esoteric pursuit of one individual communicating with a handful of colleagues into the preoccupation of a

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

growing community of physicists, astronomers, mathematicians, and philosophers. This handsome edition quotes extensively from Einstein's correspondence and reproduces historical documents such as newspaper articles and letters. Inserts are featured in the main text giving concise explanations of basic concepts, and short biographical notes and photographs of some of Einstein's contemporaries are included. The first-ever English translations of two of Einstein's popular Princeton lectures are featured at the book's end. European religious drama adapted for an Aztec audience Don Bartolomé de Alva was a mestizo who rose within New Spain's ecclesiastical hierarchy when people of indigenous heritage were routinely excluded from the priesthood. In 1640 and 1641 he translated several theatrical pieces from Spanish into Nahuatl, yet this prodigious accomplishment remained virtually unknown for centuries. Nahuatl Theater, Volume 3 presents for the first time in English the complete dramatic works of Alva, the only known plays from Spain's Golden Age adapted into the lively world of Nahuatl-language theater. Alva's translations—"The Great Theater of the World," "The Animal Prophet and the Fortunate Patricide," "The Mother of the Best," and a farcical intermezzo—represent ambitious attempts to add complex, Baroque dramatic pieces by such literary giants as Lope de Vega and Pedro Calderón de la

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

Barca to the repertory of Nahuatl theater, otherwise dominated by sober one-act religious plays grounded in medieval tradition. The Spanish sources and Alva's Nahuatl, set on facing pages with their English translations, show how Alva "Mexicanized" the plays by incorporating Nahuatl linguistic conventions and referencing local symbolism and social life. In their introductory essays, the editors offer contextual and interpretive information that provides an entrée into this rich material. As the only known adaptations of these theatrical works into a Native American language, these plays stand as fine literature in their own right.

A dual-language edition of the first major allegorical poem written by Giovanni Boccaccio. It features a revised Italian textual edition that draws on the six extant manuscripts of the original work.

This "suspenseful narrative history" (Maureen Corrigan, NPR) brings to life the momentous eclipse that enthralled a nation and thrust American science onto the world stage. On a scorching July afternoon in 1878, at the dawn of the Gilded Age, the moon's shadow descended on the American West, darkening skies from Montana Territory to Texas. This rare celestial event—a total solar eclipse—offered a priceless opportunity to solve some of the solar system's most enduring riddles, and it prompted a clutch of enterprising scientists to brave the wild frontier in a grueling race to the Rocky Mountains.

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

Acclaimed science journalist David Baron, long fascinated by eclipses, re-creates this epic tale of ambition, failure, and glory in a narrative that reveals as much about the historical trajectory of a striving young nation as it does about those scant three minutes when the blue sky blackened and stars appeared in mid-afternoon. Lauded as a “sweeping, compelling” (Wall Street Journal) work of science history, *American Eclipse* tells the story of the three tenacious and brilliant scientists who raced to Wyoming and Colorado to observe the rare event. Dedicating years of “exhaustive research to reconstruct a remarkable chapter of U.S. history” (Scientific American), award-winning writer David Baron brings to three-dimensional life these competitors—the planet-hunter James Craig Watson, pioneering astronomer Maria Mitchell, and the ambitious young inventor Thomas Edison—to thrillingly re-create the fierce jockeying of nineteenth-century American astronomy. With spellbinding accounts of train robberies and Indian skirmishes, the mythologized age of the Wild West comes alive as never before. An “enthraling” (Daniel Kevles) and magnificent portrayal of America’s dawn as a scientific superpower, *American Eclipse* depicts a young nation that looked to the skies to reveal its towering ambition and expose its latent genius. *The Hunt for Vulcan. . . And How Albert Einstein Destroyed a Planet, Discovered Relativity, and*

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

Deciphered the Universe Random House

Are we alone in the universe? If not, where is everybody? An engaging exploration of one of the most important unsolved problems in science. Everything we know about how planets form and how life arises suggests that human civilization on Earth should not be unique. We ought to see abundant evidence of extraterrestrial activity—but we don't. Where is everybody? In this volume in the MIT Press Essential Knowledge series, science and technology writer Wade Roush examines one of the great unsolved problems in science: is there life, intelligent or otherwise, on other planets? This paradox (they're bound to be out there; but where are they?), first formulated by the famed physicist Enrico Fermi, has fueled decades of debate, speculation, and, lately, some actual science. Roush lays out the problem in its historical and modern-day context and summarizes the latest thinking among astronomers and astrobiologists. He describes the long history of speculation about aliens (we've been debating the idea for thousands of years); the emergence of SETI (the Search for Extraterrestrial Intelligence) as a scientific discipline in the 1960s, and scientists' use of radio and optical techniques to scan for signals; and developments in astrobiology (the study of how life might arise in non-Earth like environments) and exoplanet research (the discovery of planets outside our solar system).

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

Finally, he discusses possible solutions to the Fermi Paradox and suggests way to refocus SETI work that might increase the chances of resolving the paradox—and finding extraterrestrials.

De bejubelde auteur van Stalins jeugdijaren en andere meeslepende biografieën heeft met *De Romanovs* een toegankelijke, levendige en zeer onthullende geschiedenis geschreven over de uitzonderlijke mannen en vrouwen die Rusland drie eeuwen regeerden. In dit fascinerende werk wendt Simon Sebag Montefiore zijn talent voor geschiedschrijving aan om het verhaal te vertellen van de grootste en meest complexe keizers en keizerinnen van de Romanov-dynastie (1613-1918), over hoe hun hof functie neerde, en over het evenwicht tussen persoonlijkheid en macht bij elke tsaar.

Gebruikmakend van archiefmateriaal dat na de val van de USSR beschikbaar kwam, slaagt Montefiore erin de werkelijke wereld tot leven te brengen van legendarische persoonlijkheden als Catharina de Grote en Nicolaas II, en laat hij de lezer kennismaken met een aantal minder bekende, maar alleen al om hun seksuele uitpattingen en andere scandaleuze of decadente wederwaardigheden des te meer tot de verbeelding sprekende leden van deze eminente familie. Een lijvig boek over lusten en onlusten, intriges, samenzweringen, fascinerende karakters, politiek en macht. Een boek dat de diepere wortels van het huidige Rusland genadeloos blootlegt en dat van de eerste tot de laatste bladzij zowel duizelingwekkend informatief als extreem onderhoudend is.

Within this clearly-written guide you will discover

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

solutions to four astronomical mysteries of the past... interactively! • What were the six reasons astronomers just barely missed seeing the true nature of Mars' surface and thought there were artificial canals? • What was the fiery apparition of the Moon seen by five monks in the year 1178? • What four things could early 20th century observers of Mercury have done to catch the planet's weird rotation? • What was the little black spot that sparked a 56-year search for the nonexistent inner planet Vulcan? Using this book and internet access (required) you control animations and manipulate 3-D models with your fingers or any pointing device. You will act as an astronomical detective and piece together the answers to all these questions for yourself! (You may get your personal user name and password for internet access to the animations, movies, and Virtual-Reality objects with the publisher's contact information on the last page.)

Why do so many think the Bible teaches that the universe is six thousand years old? There are many good biblical and historical reasons to read Genesis 1 nonliterally, and there are many good scientific reasons to think the universe is much older. Out of this misconception, some will lose faith, while others won't find it. This book was written for a large audience, gathering in a little more than one hundred pages the main biblical, historical, and astrophysical reasons to recognize that the universe is far more than six thousand years old. Contrary to some common views, scientists do not simply assume physical laws have been the same in the past. They observe it.

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

Pictorial reconstructions of ancient human ancestors have twin purposes: to make sense of shared ancestry and to bring prehistory to life. Stephanie Moser analyzes the close relationship between representations of the past and theories about human evolution, showing how this relationship existed even before a scientific understanding of human origins developed. How did mythological, religious, and historically inspired visions of the past, in existence for centuries, shape this understanding? Moser treats images as primary documents, and her book is lavishly illustrated with engravings, paintings, photographs, and reconstructions. In surveying the iconography of prehistory, Moser explores visions of human creation from their origins in classical, early Christian, and medieval periods through traditions of representation initiated in the Renaissance. She looks closely at the first scientific reconstructions of the nineteenth century, which dramatized and made comprehensible the Darwinian theory of human descent from apes. She considers, as well, the impact of reconstructions on popular literature in Europe and North America, showing that early visualizations of prehistory retained a firm hold on the imagination—a hold that archaeologists and anthropologists have found difficult to shake.

“What Bodanis does brilliantly is to give us a feel for Einstein as a person. I don’t think I’ve ever read a book that does this as well” (Popular Science). In this “fascinating” biography, the acclaimed author of $E=mc^2$ reveals that in spite of his indisputable brilliance, Albert Einstein found himself ignored by most working scientists

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

during the final decades of his life, his ideas opposed by even his closest friends (Forbes). How did this happen? Einstein revolutionized our understanding of the cosmos with his general theory of relativity, and helped lead us into the atomic age. This book goes beyond his remarkable intellect and accomplishments to examine the man himself, from the skeptical, erratic student to the world's greatest physicist to the fallen-from-grace celebrity. An intimate biography that "imparts fresh insight into the genius—and failures—of the 20th century's most celebrated scientist," Einstein's Greatest Mistake reveals what we owe Einstein today—and how much more he might have achieved if not for his all-too-human flaws (Publishers Weekly). Named a Science Book of the Year by the Sunday Times and one of the Top Five Science Books of 2016 by ABC News Australia, this unique book "offers a window onto Einstein's achievements and missteps, as well as his life—his friendships, his complicated love life (two marriages, many affairs) and his isolation from other scientists at the end of his life" (BookPage).

Zwarte gaten zijn donker, de naam zegt het al. Als ze botsen, is daar niets van te zien. Toch komt bij een botsing van zwarte gaten een onvoorstelbaar grote hoeveelheid kracht vrij. Einstein voorspelde, precies een eeuw geleden, dat je zou moeten kunnen zien dat ruimte en tijd een beetje veranderen wanneer zo'n botsing plaatsvindt. Een 'zwaartekrachtgolf', die veroorzaakt dat tijd en ruimte niet meer constant zijn. Maar hoe observeer je zoiets? Wetenschappers zijn er tientallen jaren mee bezig geweest, en Janna Levin volgde hen op

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

de voet. Van de eerste tekeningen tot aan meetapparatuur van 40 kilometer groot, midden in de woestijn. De apparatuur werd aangezet. En vanaf dat moment was het afwachten. Zou er iets gebeuren? Had Einstein gelijk? Iedereen dacht dat het jaren zou duren voordat de eerste resultaten binnenkwamen. Maar nog geen twee weken later was er iets vreemds te zien... Dwight Wilmerding is pas achtentwintig jaar oud, maar zit al midden in een midlifecrisis. Op zich niet vreemd: hij woont met wat vage vrienden in een klein appartement en zijn baan als helpdeskmedewerker bij de farmaceutische gigant Pfizer is niet bepaald sfeerverhogend. Daarbovenop lijdt hij ook nog eens aan aboulie: chronische besluiteloosheid die zo ver gaat dat hij enkel een besluit kan nemen door erom te tossen. Aangemoedigd door een van zijn kamergenoten onderwerpt hij zich aan een farmaceutisch experiment dat hem van zijn besluiteloosheid moet genezen. Wanneer hij pfiereerd wordt door Pfizer en uitgenodigd door een vriendinnetje van de middelbare school om naar Ecuador te komen, reist hij abrupt af naar Zuid-Amerika. Probleem is alleen dat Dwight maar niet kan besluiten of de pillen die hij slikt werken of niet. Diep in de jungle wordt zijn romantische ontsnapping een hilarische reis, op zoek naar verantwoordelijkheid, kennis en liefde. The Sunday Times Science Book of the Year 2017 'Does Einstein proud . . . Eminently readable' Guardian 'No one has covered the topic with such a light touch and joie de vivre . . . a delight' Brian Clegg Gravity was the first force to be recognised and described yet it is still the least understood. If we can unlock its secrets, the force that

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

keeps our feet on the ground holds the key to understanding the biggest questions in science: what is space? What is time? What is the universe? And where did it all come from? Award-winning writer Marcus Chown takes us on an unforgettable journey from the recognition of the 'force' of gravity in 1666 to the discovery of gravitational waves in the twenty-first century. And, as we stand on the brink of a seismic revolution in our worldview, he brings us up to speed on the greatest challenge ever to confront physics. Starting out from humankind's earliest ideas about the cosmos, this book gives the reader a clear overview of our current understanding of the universe, including big bang theories and the formation of stars and galaxies, as well as addressing open questions. The author shows how our present view gradually developed from observations, and also how the outcome of ongoing research may still change this view. The book brings together concepts in physics and astronomy, including some history in both cases. The text is descriptive rather than technical: the goal is to present things rigorously and without oversimplification, by highlighting the crucial physical concepts. The only prerequisite is a qualitative knowledge of basic physics concepts at high-school level.

In deze meesterlijk geschiedenis van het oude Egypte vertelt Toby Wilkinson het verhaal van een van de grootste beschavingen die ooit hebben bestaan. De geschiedenis van het oude Egypte en de uitzonderlijke beschaving die gedurende drieduizend jaar bloeide langs de oevers van de Nijl, lijkt een spektakelstuk vol

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

bijzondere gebeurtenissen: de bouw van de piramides, de verovering van Nubia, de kracht en schoonheid van Nefertiti, de invasie van Alexander de Grote en Cleopatras fatale relatie met Rome die leidde tot de val van de Ptolomeeën. De oude Egyptenaren waren de eerste groep mensen die een gemeenschappelijke cultuur, opvatting en identiteit deelden in een begrensd geografisch territorium dat bovendien bestuurd werd door één enkele politieke instantie. Het oude Egypte was daarmee de eerste natiestaat ter wereld die zich door zich te verenigen kon beschermen tegen vijandelijke krachten van buitenaf én van binnenuit. In dit magnifieke boek combineert Toby Wilkinson gedetailleerde kennis van het oude Egypte met een uiterst spannend verhaal dat leest als een epische roman. We lezen over de meedogenloze propaganda, de gewelddadige politiek, de wreedheid en de repressie die schuilgaat achter de verschijning van deze standvastige monarchie en de indrukwekkende architecturale en culturele successen waardoor zij zo beroemd is geworden.

Are we alone? In 1995 planet hunters discovered the first alien solar system around a star like our own Sun. Ken Croswell tells the fascinating story of this discovery and the people who made it, then explores the possibility that one day we may have the technology to travel to different solar systems and find life.

The captivating, all-but-forgotten story of Isaac Newton, Albert Einstein, and the search for a planet that never existed For more than fifty years, the world's top scientists searched for the "missing" planet Vulcan, whose existence was mandated by Isaac Newton's

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

theories of gravity. Countless hours were spent on the hunt for the elusive orb, and some of the era's most skilled astronomers even claimed to have found it. There was just one problem: It was never there. In *The Hunt for Vulcan*, Thomas Levenson follows the visionary scientists who inhabit the story of the phantom planet, starting with Isaac Newton, who in 1687 provided an explanation for all matter in motion throughout the universe, leading to Urbain-Jean-Joseph Le Verrier, who almost two centuries later built on Newton's theories and discovered Neptune, becoming the most famous scientist in the world. Le Verrier attempted to surpass that triumph by predicting the existence of yet another planet in our solar system, Vulcan. It took Albert Einstein to discern that the mystery of the missing planet was a problem not of measurements or math but of Newton's theory of gravity itself. Einstein's general theory of relativity proved that Vulcan did not and could not exist, and that the search for it had merely been a quirk of operating under the wrong set of assumptions about the universe. Levenson tells the previously untold tale of how the "discovery" of Vulcan in the nineteenth century set the stage for Einstein's monumental breakthrough, the greatest individual intellectual achievement of the twentieth century. A dramatic human story of an epic quest, *The Hunt for Vulcan* offers insight into how science really advances (as opposed to the way we're taught about it in school) and how the best work of the greatest scientists reveals an artist's sensibility. Opening a new window onto our world, Levenson illuminates some of our most iconic ideas as he recounts

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

one of the strangest episodes in the history of science. Praise for *The Hunt for Vulcan* “Delightful . . . a charming tale about an all-but-forgotten episode in science history.”—*The Wall Street Journal* “Engaging . . . At heart, this is a story about how science advances, one insight at a time. But the immediacy, almost romance, of Levenson’s writing makes it almost novelistic.”—*The Washington Post* “A well-structured, fast-paced example of exemplary science writing.”—*Kirkus Reviews* (starred review)

Inverting rules with obvious relish, Florentine artist Piero di Cosimo (1462–1522) is known today—as he was in his own time—for his highly personal visual language, one capable of generating images of the most mesmerizing oddity. In this book, Dennis Geronimus overcomes the scarcity of information about the artist’s life and works—only one of the nearly sixty known works by Piero is actually signed and dated—and pieces together from extensive archival research the most complete and accurate account of Piero’s life and career ever written. Unfettered imagination was the sign under which Piero exercised his pictorial invention, and yet the complicated artist was also a product of his culture. The book fills gaps in the artist’s biography and provides intensive analysis of Piero’s protean imagery, discusses his various patrons and commissions, and lists his extant, lost, and uncertainly attributed works.

The detection of gravitational waves—ripples in spacetime—has already been called the scientific coup of this century. Govert Schilling recounts the struggles that threatened to derail the quest and describes the

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

detector's astounding precision, weaving far-reaching discoveries about the universe into a gripping story of ambition and perseverance.

Hierarchical relationships—rules that structure both international and domestic politics—are pervasive. Yet we know little about how these relationships are constructed, maintained, and dismantled. This book fills this lacuna through a two-pronged research approach: first, it discusses how great power negotiations over international political settlements both respond to domestic politics within weak states and structure the specific forms that hierarchy takes. Second, it deduces three sets of hypotheses about hierarchy maintenance, construction, and collapse during the post-war era. By offering a coherent theoretical model of hierarchical politics within weaker states, the author is able to answer a number of important questions, including: Why does the United States often ally with autocratic states even though its most enduring relationships are with democracies? Why do autocratic hierarchical relationships require interstate coercion? Why do some hierarchies end violently and others peacefully? Why does hierarchical competition sometimes lead to interstate conflict and sometimes to civil conflict?

This book addresses how our revisionary practices account for relations between texts and how they are read. It offers an overarching philosophy of revision concerning works of fiction, fact, and faith, revealing unexpected insights about the philosophy of language, the metaphysics of fact and fiction, and the history and philosophy of science and religion. Using the novels of

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

J.R.R. Tolkien as exemplars, the authors introduce a fundamental distinction between the purely physical and the linguistic aspects of texts. They then demonstrate how two competing theories of reference—descriptivism and referentialism—are instead constitutive of a single semantic account needed to explain all kinds of revision. The authors also propose their own metaphysical foundations of fiction and fact. The next part of the book brings the authors' philosophy of revision into dialogue with Thomas Kuhn's famous analysis of factual, and specifically scientific, change. It also discusses a complex episode in the history of paleontology, demonstrating how scientific and popular texts can diverge over time. Finally, the authors expand their philosophy of revision to religious texts, arguing that, rather than being distinct, such texts are always read as other kinds, that faith tends to be more important as evidence for religious texts than for others, and that the latter explains why religious communities tend to have remarkable historical longevity. *Revising Fiction, Fact, and Faith* offers a unique and comprehensive account of the philosophy of revision. It will be of interest to a wide range of scholars and advanced students working in philosophy of language, metaphysics, philosophy of literature, literary theory and criticism, and history and philosophy of science and religion.

Hij woont en werkt in New York. Het metafysische mysterie hoe wij ooit zijn ontstaan is nog steeds de lastigste en meest fascinerende vraag aller tijden. De briljante en zeer humoristische Jim Holt onderzoekt onze jongste pogingen om vat te krijgen op de oorsprong van het heelal. Volgens hem

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

zijn we veel te benepen geweest door alleen God en de Big Bang als verantwoordelijken te beschouwen, en daarom zoekt Holt het antwoord op deze prangende vraag ook in andere hoeken, zoals bij een chagrijnige filosoof uit Oxford, een laureaat van de Nobelprijs en een Franse boeddhistische monnik. De uitkomst van zijn speurtocht is *Waarom bestaat de wereld?* een werk dat uit zichzelf filosofisch wordt.

The exciting and eye-opening *Star Trek* trilogy from the bestselling authors of *Vulcan's Forge* and *Vulcan's Heart* continues as the United Federation of Planets, the Klingons, and the Romulans work to maintain their fragile alliance after a deadly attack. Tensions remain high as the United Federation of Planets, the Klingon Empire, and the Romulan Star Empire struggle in the face of a brutal and tragic attack by the mysterious Watraii. When Admiral Uhura receives intelligence regarding a Watraii base that may contain more than one surprise, she sends Ambassador Spock, Captain Saavik, Ruanek, Captain Montgomery Scott, and Lieutenant Commander Data on a covert mission to learn its mysterious secrets before it's too late.

The sweeping story of the world's first financial crisis: "an astounding episode from the early days of financial markets that to this day continues to intrigue and perplex historians . . . narrative history at its best, lively and fresh with new insights" (Liaquat Ahamed, Pulitzer Prize-winning author of *Lords of Finance*) A *Financial Times* Economics Book of the Year ? Longlisted for the *Financial Times/McKinsey Business Book of the Year* Award In the heart of the Scientific Revolution, when new theories promised to explain the affairs of the universe, Britain was broke, facing a mountain of debt accumulated in war after war it could not afford. But that same Scientific Revolution—the kind of thinking that helped Isaac Newton solve the mysteries of the cosmos—would soon lead clever, if not always scrupulous, men to try to figure a

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

way out of Britain's financial troubles. Enter the upstart leaders of the South Sea Company. In 1719, they laid out a grand plan to swap citizens' shares of the nation's debt for company stock, removing the burden from the state and making South Sea's directors a fortune in the process. Everybody would win. The king's ministers took the bait—and everybody did win. Far too much, far too fast. The following crash came suddenly in a rush of scandal, jail, suicide, and ruin. But thanks to Britain's leader, Robert Walpole, the kingdom found its way through to emerge with the first truly modern, reliable, and stable financial exchange. Thomas Levenson's *Money for Nothing* tells the unbelievable story of the South Sea Bubble with all the exuberance, folly, and the catastrophe of an event whose impact can still be felt today. In dromen ziet Albert Einstein allerhande consequenties van zijn relativiteitstheorie.

Elizabeth A. Kaye specializes in communications as part of her coaching and consulting practice. She has edited *Requirements for Certification* since the 2000-01 edition. From an award-winning author, astronomer, and anthropologist, an exploration of the scientific and cultural significance of the mesmerizing cosmic display. Since the first humans looked up and saw the sun swallowed by darkness, our species has been captivated by solar eclipses.

Astronomer and anthropologist Anthony Aveni explains the history and culture surrounding solar eclipses, from prehistoric Stonehenge to Babylonian creation myths, to a confirmation of Einstein's theory of general relativity, to a spectacle that left New York City in the moon's shadow, to future eclipses that will capture human imaginations. In one accessible and engaging read, Aveni explains the science behind the phenomenon, tracks eclipses across the ancient world, and examines the roles of solar eclipses in modern times to reveal the profound effects these cosmic events

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

have had on human history. Colored by his own experiences—Aveni has witnessed eight total solar eclipses in his lifetime—his account of astronomy’s most storied phenomenon will enthrall anyone who has looked up at the sky with wonder. “Aveni’s authoritative but accessible text is the clearest statement of the way our perception of eclipses has changed over the centuries.” —Stuart Clark, New Scientist “Authoritative and engaging.” —Marcelo Gleiser, NPR’s 13.7 “A recommended way to share the spirit of the occasion.” —Laurence A. Marschall, Natural History magazine “Everything you need to enjoy a solar eclipse—and even predict one, just like the Babylonians did! Aveni’s entertaining explorations show the very different impacts eclipses have had on past and present cultures.” —David DeVorkin, National Air and Space Museum, Smithsonian Institution

Machine generated contents note: -- Chapter 1: Prosperity for All -- Chapter 2: Keynes Betrayed -- Chapter 3: The Demise of the Natural Rate Hypothesis -- Chapter 4: Let's Stop Pretending that Unemployment is Voluntary -- Chapter 5: Five Problems with New Keynesian Economics -- Chapter 6: Why Unemployment Persists -- Chapter 7: Wall Street and Main Street -- Chapter 8: The New Keynesian Model Explained -- Chapter 9: The Farmer Monetary Model Explained -- Chapter 10: Keynesian Economics without the Consumption Function -- Chapter 11: How to Prevent Financial Crises

In 1859, the brilliant scientist Urbain LeVerrier discovered that the planet Mercury has a wobble, that its orbit shifts over time. His explanation was that there had to be an unseen planet circling even closer to the sun. He called the planet Vulcan. Supported by the theories of Sir Isaac Newton, the finest astronomers of their generation began to seek out Vulcan and at least a dozen reports of discovery were filed. There was only one problem. Vulcan does not exist – and

Download File PDF The Hunt For Vulcan And How Albert Einstein Destroyed A Planet Discovered Relativity And Deciphered The Universe

was never there. The real explanation was only revealed when a young Albert Einstein came up with a theory of gravity that also happened to prove that Mercury's orbit could indeed be explained – not by Newton's theories but by Einstein's own theory of general relativity. THE HUNT FOR VULCAN is a scientific detective tale at the intersection of theory, measurement, and belief; and a reflection on a bizarre period in which the power of conformity led very smart people to literally see a planet that wasn't there.

[Copyright: 2d50f70a8c595ec592fda2cfe71e960d](#)