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[Einstein's Cosmos: How Albert Einstein's Vision Transformed Our Understanding of Space and Time \(Great Discoveries\) - Michio Kaku](#)
2005-05-17

A physicist demonstrates how Albert Einstein used simple, picture-based imagery to convey his theories about relativity and subsequently changed the way people thought about the world.

Einstein - Walter Isaacson 2008-09-04

NOW A MAJOR SERIES 'GENIUS' ON NATIONAL GEOGRAPHIC, PRODUCED BY RON HOWARD AND STARRING GEOFFREY RUSH
Einstein is the great icon of our age: the kindly refugee from oppression whose wild halo of hair, twinkling eyes, engaging humanity and extraordinary brilliance made his face a symbol and his name a synonym for genius. He was a rebel and nonconformist from boyhood days. His character, creativity and imagination were related, and they drove both his life and his science. In this marvellously clear and accessible narrative, Walter Isaacson explains how his mind worked and the mysteries of the universe that he discovered. Einstein's success came from questioning conventional wisdom and marvelling at mysteries that struck others as mundane. This led him to embrace a worldview based on

respect for free spirits and free individuals. All of which helped make Einstein into a rebel but with a reverence for the harmony of nature, one with just the right blend of imagination and wisdom to transform our understanding of the universe. This new biography, the first since all of Einstein's papers have become available, is the fullest picture yet of one of the key figures of the twentieth century. This is the first full biography of Albert Einstein since all of his papers have become available -- a fully realised portrait of this extraordinary human being, and great genius. Praise for EINSTEIN by Walter Isaacson:- 'YOU REALLY MUST READ THIS.' Sunday Times 'As pithy as Einstein himself.' New Scientist '[A] brilliant biography, rich with newly available archival material.' Literary Review 'Beautifully written, it renders the physics understandable.' Sunday Telegraph 'Isaacson is excellent at explaining the science.' Daily Express

Einstein's Jewish Science - Steven Gimbel 2012-05-21

This volume intertwines science, history, philosophy, theology, and politics in fresh and fascinating ways to solve the multifaceted riddle of what religion means - and what it means to science.

Einstein's Daughter - Michele Zackheim 2000

Furnishes a fascinating and provocative investigation into the fate of the illegitimate daughter of Albert Einstein, who was left in the care of her maternal grandparents and who mysteriously vanished at the age of eighteen months. Reprint.

[Moonwalking with Einstein](#) - Joshua Foer 2011-03-03

"Highly entertaining." —Adam Gopnik, The New Yorker "Funny, curious, erudite, and full of useful details about ancient techniques of training memory." —The Boston Globe The blockbuster phenomenon that charts an amazing journey of the mind while revolutionizing our concept of memory An instant bestseller that is poised to become a classic, Moonwalking with Einstein recounts Joshua Foer's yearlong quest to improve his memory under the tutelage of top "mental athletes." He draws on cutting-edge research, a surprising cultural history of remembering, and venerable tricks of the mentalist's trade to transform our understanding of human memory. From the United States Memory Championship to deep within the author's own mind, this is an electrifying work of journalism that reminds us that, in every way that matters, we are the sum of our memories.

Einstein's Unfinished Revolution - Lee Smolin 2019-04-09

A daring new vision of the quantum universe, and the scandals, controversies, and questions that may illuminate our future—from Canada's leading mind on contemporary physics. Quantum physics is the golden child of modern science. It is the basis of our understanding of atoms, radiation, and so much else, from elementary particles and basic forces to the behaviour of materials. But for a century it has also been the problem child of science, plagued by intense disagreements between its intellectual giants, from Albert Einstein to Stephen Hawking, over the strange paradoxes and implications that seem like the stuff of fantasy. Whether it's Schrödinger's cat—a creature that is simultaneously dead and alive—or a belief that the world does not exist independently of our observations of it, quantum theory is what challenges our fundamental assumptions about our reality. In Einstein's Unfinished Revolution, globally renowned theoretical physicist Lee Smolin provocatively argues that the problems which have bedeviled quantum physics since its

inception are unsolved for the simple reason that the theory is incomplete. There is more, waiting to be discovered. Our task—if we are to have simple answers to our simple questions about the universe we live in—must be to go beyond it to a description of the world on an atomic scale that makes sense. In this vibrant and accessible book, Smolin takes us on a journey through the basics of quantum physics, introducing the stories of the experiments and figures that have transformed the field, before wrestling with the puzzles and conundrums that they present. Along the way, he illuminates the existing theories about the quantum world that might solve these problems, guiding us toward his own vision that embraces common sense realism. If we are to have any hope of completing the revolution that Einstein began nearly a century ago, we must go beyond quantum mechanics as we know it to find a theory that will give us a complete description of nature. In Einstein's Unfinished Revolution, Lee Smolin brings us a step closer to resolving one of the greatest scientific controversies of our age.

[An Einstein Encyclopedia](#) - Alice Calaprice 2015-10-27

The complete guide to everything you ever wanted to know about Einstein This is the single most complete guide to Albert Einstein's life and work for students, researchers, and browsers alike. Written by three leading Einstein scholars who draw on their combined wealth of expertise gained during their work on the Collected Papers of Albert Einstein, this authoritative and accessible reference features more than one hundred entries and is divided into three parts covering the personal, scientific, and public spheres of Einstein's life. An Einstein Encyclopedia contains entries on Einstein's birth and death, family and romantic relationships, honors and awards, educational institutions where he studied and worked, citizenships and immigration to America, hobbies and travels, plus the people he befriended and the history of his archives and the Einstein Papers Project. Entries on Einstein's scientific theories provide useful background and context, along with details about his assistants, collaborators, and rivals, as well as physics concepts related to his work. Coverage of Einstein's role in public life includes entries on his Jewish identity, humanitarian and civil rights involvements,

political and educational philosophies, religion, and more. Commemorating the hundredth anniversary of the theory of general relativity, An Einstein Encyclopedia also includes a chronology of Einstein's life and appendixes that provide information for further reading and research, including an annotated list of a selection of Einstein's publications and a review of selected books about Einstein. More than 100 entries cover the rich details of Einstein's personal, professional, and public life. Authoritative entries explain Einstein's family relationships, scientific achievements, political activities, religious views, and more. More than 40 illustrations include photos of Einstein and his circle plus archival materials. A chronology of Einstein's life, appendixes, and suggestions for further reading provide essential details for further research.

Thematic Origins of Scientific Thought - Gerald Holton 1988-05-25
The highly acclaimed first edition of this major work convincingly established Gerald Holton's analysis of the ways scientific ideas evolve. His concept of "themata," induced from case studies with special attention to the work of Einstein, has become one of the chief tools for understanding scientific progress. It is now one of the main approaches in the study of the initiation and acceptance of individual scientific insights. Three principal consequences of this perspective extend beyond the study of the history of science itself. It provides philosophers of science with the kind of raw material on which some of the best work in their field is based. It helps intellectual historians to redefine the place of modern science in contemporary culture by identifying influences on the scientific imagination. And it prompts educators to reexamine the conventional concepts of education in science. In this new edition, Holton has masterfully reshaped the contents and widened the coverage. Significant new material has been added, including a penetrating account of the advent of quantum physics in the United States, and a broad consideration of the integrity of science, as exemplified in the work of Niels Bohr. In addition, a revised introduction and a new postscript provide an updated perspective on the role of themata. The result of this thoroughgoing revision is an indispensable volume for

scholars and students of scientific thought and intellectual history.

When Einstein Walked with Gödel - Jim Holt 2018-05-15
From Jim Holt, the New York Times bestselling author of *Why Does the World Exist?*, comes an entertaining and accessible guide to the most profound scientific and mathematical ideas of recent centuries in *When Einstein Walked with Gödel: Excursions to the Edge of Thought*. Does time exist? What is infinity? Why do mirrors reverse left and right but not up and down? In this scintillating collection, Holt explores the human mind, the cosmos, and the thinkers who've tried to encompass the latter with the former. With his trademark clarity and humor, Holt probes the mysteries of quantum mechanics, the quest for the foundations of mathematics, and the nature of logic and truth. Along the way, he offers intimate biographical sketches of celebrated and neglected thinkers, from the physicist Emmy Noether to the computing pioneer Alan Turing and the discoverer of fractals, Benoit Mandelbrot. Holt offers a painless and playful introduction to many of our most beautiful but least understood ideas, from Einsteinian relativity to string theory, and also invites us to consider why the greatest logician of the twentieth century believed the U.S. Constitution contained a terrible contradiction—and whether the universe truly has a future.

Introducing Relativity - Bruce Bassett 2014-06-05
A superlative, fascinating graphic account of Albert Einstein's strange world and how his legacy has been built upon since. It is now more than a century since Einstein's theories of Special and General Relativity began to revolutionise our view of the universe. Beginning near the speed of light and proceeding to explorations of space-time and curved spaces, *Introducing Relativity* plots a visually accessible course through the thought experiments that have given shape to contemporary physics. Scientists from Isaac Newton to Stephen Hawking add their unique contributions to this story, as we encounter Einstein's astounding vision of gravity as the curvature of space-time and arrive at the breathtakingly beautiful field equations. Einstein's legacy is reviewed in the most advanced frontiers of physics today - black holes, gravitational waves, the accelerating universe and string theory.

Final Theory - Mark Alpert 2012-12-11

'Einheitliche Feldtheorie'. The final words of his dying mentor will change David Swift's life forever. Within hours of hearing those words, David is arrested, interrogated and almost assassinated. But he's too busy running for his life to work out what it all means. Has he accidentally inherited Einstein's Unified Theory -- a set of equations with the power to destroy the world? Einstein died without discovering the theory. Or did he? Teaming up with his ex-girlfriend and an autistic teenager addicted to video games, David must ensure he survives long enough to find out the truth -- and deal with the terrifying consequences.

Physics and Beyond - Edward T Heise 1971

The author presents his dialogues and discussions with prominent scientists on the nature of science and man

Out of My Later Years - Albert Einstein 2011-09-27

An inspiring collection of essays, in which Albert Einstein addresses the topics that fascinated him as a scientist, philosopher, and humanitarian. Divided by subject matter—"Science," "Convictions and Beliefs," "Public Affairs," etc.—these essays consider everything from the need for a "supranational" governing body to control war in the atomic age to freedom in research and education to Jewish history and Zionism to explanations of the physics and scientific thought that brought Albert Einstein world recognition. Throughout, Einstein's clear, eloquent voice presents an idealist's vision and relays complex theories to the layperson. Einstein's essays share his philosophical beliefs, scientific reasoning, and hopes for a brighter future, and show how one of the greatest minds of all time fully engaged with the changing world around him. This authorized ebook features rare photos and never-before-seen documents from the Albert Einstein Archives at the Hebrew University of Jerusalem.

The Intelligence of Dogs - Stanley Coren 2006-01-05

A revised edition of the best-selling reference on canine psychology incorporates the latest scientific findings and interviews with top breeders and trainers to enable dog lovers to evaluate a pet's intelligence, read dog body language, and adapt a training program suited to an animal's specific needs. By the author of *How Dogs Think*.

Original. 10,000 first printing.

The World As I See It - Albert Einstein 2021-01-01

The World as I See It is a book by Albert Einstein translated from the German by A. Harris and published in 1935 by John Lane The Bodley Head. The original German book is *Mein Weltbild* by Albert Einstein, first published in 1934 by Rudolf Kayser.

The Ultimate Quotable Einstein - Albert Einstein 2019-12-31

The most comprehensive collection of Einstein quotations ever published. Here is the definitive new edition of the hugely popular collection of Einstein quotations that has sold tens of thousands of copies worldwide and been translated into twenty-five languages. The Ultimate Quotable Einstein features 400 additional quotes, bringing the total to roughly 1,600 in all. This ultimate edition includes new sections—"On and to Children," "On Race and Prejudice," and "Einstein's Verses: A Small Selection"—as well as a chronology of Einstein's life and accomplishments, Freeman Dyson's authoritative foreword, and new commentary by Alice Calaprice. In *The Ultimate Quotable Einstein*, readers will also find quotes by others about Einstein along with quotes attributed to him. Every quotation in this informative and entertaining collection is fully documented, and Calaprice has carefully selected new photographs and cartoons to introduce each section. Features 400 additional quotations. Contains roughly 1,600 quotations in all. Includes new sections on children, race and prejudice, and Einstein's poetry. Provides new commentary. Beautifully illustrated. The most comprehensive collection of Einstein quotes ever published.

Einstein and Religion - Max Jammer 2011-09-05

The philosophy of religion and the quest for spiritual truth preoccupied Albert Einstein--so much that it has been said "one might suspect he was a disguised theologian." Nevertheless, the literature on the life and work of Einstein, extensive as it is, does not provide an adequate account of his religious conception and sentiments. Only fragmentarily known, Einstein's ideas about religion have been often distorted both by atheists and by religious groups eager to claim him as one of their own. But what exactly was Einstein's religious credo? In this fascinating book, the

distinguished physicist and philosopher Max Jammer offers an unbiased and well-documented answer to this question. The book begins with a discussion of Einstein's childhood religious education and the religious atmosphere--or its absence--among his family and friends. It then reconstructs, step by step, the intellectual development that led Einstein to the conceptions of a cosmic religion and an impersonal God, akin to "the God of Spinoza." Jammer explores Einstein's writings and lectures on religion and its role in society, and how far they have been accepted by the general public and by professional theologians like Paul Tillich or Frederick Ferré. He also analyzes the precise meaning of Einstein's famous dictum "Science without religion is lame, religion without science is blind," and why this statement can serve as an epitome of Einstein's philosophy of religion. The last chapter deals with the controversial question of whether Einstein's scientific work, and in particular his theory of relativity, has theologically significant implications, a problem important for those who are interested in the relation between science and religion. Both thought-provoking and engaging, this book aims to introduce readers, without proselytizing, to Einstein's religion.

Einstein Wrote Back - John W. Moffat 2012-10-12

Taking readers inside the classrooms and minds of these giants of modern science, Moffat affectionately exposes the foibles and eccentricities of famous physicists, as they worked on the revolutionary ideas that, today, are the very foundation of modern physics and cosmology.

Einstein 1905 - John S RIGDEN 2009-06-30

For Einstein, 1905 was a remarkable year. It was also a miraculous year for the history and future of science. In six short months, he published five papers that would transform our understanding of nature. This unparalleled period is the subject of Rigden's book, which deftly explains what distinguishes 1905 from all other years in the annals of science, and elevates Einstein above all other scientists of the twentieth century.

The Bloody Spur - Charles Einstein 2018-04-03

Albert Einstein: Creator and Rebel - Banesh Hoffmann 2019-08-10

"Hoffmann does more than convey the emotional impact of Einstein's science on Einstein. He tries to make the general reader see the problems that concerned Einstein and understand the kinds of theories he constructed to solve them... This calls for scientific popularization of a high order... Hoffmann [...] does it very effectively." — Martin Klein and Robert Merton, *The New York Times* "... succeeds in catching some of Einstein's wholeness, the genius and the human being, the scientist and the responsible citizen." — Peter Bergmann, *Physics Today* "What a rewarding and civilizing book for anyone interested in physics, its history, and the look and smell of the whole era during which relativity and quantum physics established themselves! ... this is one of the few [biographies of Einstein] that gives an authentic view from close up" — Gerald Holton, *The Physics Teacher* "This book deserves to become a best-seller... I know of no other book on Einstein that gives so complete and well balanced a picture of that great man." — Otto Robert Frisch "... it is the very product of [Einstein's] brain that most clearly delineates the man, and to get that across, there is none better than Dr. Hoffmann, who can write so charmingly that even General Relativity sounds like a fun thing in its very profound simplicity..." — Isaac Asimov "Here is an excellent biography of Albert Einstein by a theoretical physicist with broad interests and a deep human understanding... Hoffmann builds a remarkably interesting and human picture of an extremely gifted man..." — Louis Green, *Sky and Telescope*

The Evolution of Physics - Einstein 1971-11-30

The Physicists - Friedrich Dürrenmatt 1991
Theatre program.

Einstein on Cosmic Religion and Other Opinions and Aphorisms - Albert Einstein 2012-03-02

Einstein's essays explore science as the basis for a "cosmic" religion, embraced by all who share a sense of wonder in the universe. Additional topics include pacifism, disarmament, and Zionism.

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.

Germany - Neil MacGregor 2015-09-29

For the past 140 years, Germany has been the central power in continental Europe. Twenty-five years ago a new German state came into being. How much do we really understand this new Germany, and how do its people understand themselves? Neil MacGregor argues that, uniquely for any European country, no coherent, overarching narrative of Germany's history can be constructed, for in Germany both geography and history have always been unstable. Its frontiers have constantly shifted. Königsberg, home to the greatest German philosopher, Immanuel Kant, is now Kaliningrad, Russia; Strasbourg, in whose cathedral Wolfgang von Goethe, Germany's greatest writer, discovered the distinctiveness of his country's art and history, now lies within the borders of France. For most of the five hundred years covered by this book Germany has been composed of many separate political units, each with a distinct history. And any comfortable national story Germans might have told themselves before 1914 was destroyed by the events of the following thirty years. German history may be inherently fragmented,

but it contains a large number of widely shared memories, awarenesses, and experiences; examining some of these is the purpose of this book. MacGregor chooses objects and ideas, people and places that still resonate in the new Germany—porcelain from Dresden and rubble from its ruins, Bauhaus design and the German sausage, the crown of Charlemagne and the gates of Buchenwald—to show us something of its collective imagination. There has never been a book about Germany quite like it.

Quirky - Melissa A Schilling 2018-02-13

The science behind the traits and quirks that drive creative geniuses to make spectacular breakthroughs What really distinguishes the people who literally change the world—those creative geniuses who give us one breakthrough after another? What differentiates Marie Curie or Elon Musk from the merely creative, the many one-hit wonders among us? Melissa Schilling, one of the world's leading experts on innovation, invites us into the lives of eight people—Albert Einstein, Benjamin Franklin, Elon Musk, Dean Kamen, Nikola Tesla, Marie Curie, Thomas Edison, and Steve Jobs—to identify the traits and experiences that drove them to make spectacular breakthroughs, over and over again. While all innovators possess incredible intellect, intellect alone, she shows, does not create a breakthrough innovator. It was their personal, social, and emotional quiriness that enabled true genius to break through—not just once but again and again. Nearly all of the innovators, for example, exhibited high levels of social detachment that enabled them to break with norms, an almost maniacal faith in their ability to overcome obstacles, and a passionate idealism that pushed them to work with intensity even in the face of criticism or failure. While these individual traits would be unlikely to work in isolation—being unconventional without having high levels of confidence, effort, and goal directedness might, for example, result in rebellious behavior that does not lead to meaningful outcomes—together they can fuel both the ability and drive to pursue what others deem impossible. Schilling shares the science behind the convergence of traits that increases the likelihood of success. And, as Schilling also reveals, there is much to learn about nurturing

breakthrough innovation in our own lives--in, for example, the way we run organizations, manage people, and even how we raise our children.

Einstein's Wife - Allen Esterson 2020-02-25

The real-life story behind *The Other Einstein*—a fascinating profile of mathematician Mileva Einstein-Marić and her alleged contributions to her husband's scientific discoveries. Albert Einstein's first wife, Mileva Einstein-Marić, was forgotten for decades. When a trove of correspondence between them beginning in their student days was discovered in 1986, her story began to be told. Some of the tellers of the "Mileva Story" made startling claims: that she was a brilliant mathematician who surpassed her husband, and that she made uncredited contributions to his most celebrated papers in 1905, including his paper on special relativity. This book, based on extensive historical research, uncovers the real "Mileva Story." Mileva was one of the few women of her era to pursue higher education in science; she and Einstein were students together at the Zurich Polytechnic. Mileva's ambitions for a science career, however, suffered a series of setbacks—failed diploma examinations, a disagreement with her doctoral dissertation adviser, an out-of-wedlock pregnancy by Einstein. She and Einstein married in 1903 and had two sons, but the marriage failed. So was Mileva her husband's uncredited coauthor, unpaid assistant, or his essential helpmeet? It's tempting to believe that she was her husband's secret collaborator, but the authors of *Einstein's Wife* look at the actual evidence, and a chapter by Ruth Lewin Sime offers important historical context. The story they tell is that of a brave and determined young woman who struggled against a variety of obstacles at a time when science was not very welcoming to women.

Gravitation - Charles W. Misner 2017-10-24

Spacetime physics -- Physics in flat spacetime -- The mathematics of curved spacetime -- Einstein's geometric theory of gravity -- Relativistic stars -- The universe -- Gravitational collapse and black holes -- Gravitational waves -- Experimental tests of general relativity -- Frontiers

The Encyclopaedia Britannica - 1962

Einstein for Beginners - Joseph Schwartz 1979

Amusing, irreverent, sophisticated and highly accessible, *Einstein for Beginners* is the perfect introduction to Einstein's life and thought. Reaching back as far as Babylon (for the origins of mathematics) and the Etruscans (who thought they could handle lightning), this book takes us through the revolutions in electrical communications and technology that made the theory of relativity possible. In the process, we meet scientific luminaries and personalities of imperial Germany, as well as Galileo, Faraday, and Newton; learn why moving clocks run slower than stationary ones, why nothing can go faster than the speed of light; and follow Albert's thought as he works his way toward $E = mc^2$, the most famous equation of the twentieth century.

About Time - P. C. W. Davies 1996-04-09

Examines the ramifications of Einstein's relativity theory, exploring the mysteries of time and considering black holes, time travel, the existence of God, and the nature of the universe

Einstein's Dreams - Alan Lightman 2011-03-02

NATIONAL BESTSELLER • A modern classic explores the connections between science and art, the process of creativity, and ultimately the fragility of human existence. "A magical, metaphysical realm ... Captivating, enchanting, delightful." —The New York Times *Einstein's Dreams* is a fictional collage of stories dreamed by Albert Einstein in 1905, about time, relativity and physics. As the defiant but sensitive young genius is creating his theory of relativity, a new conception of time, he imagines many possible worlds. In one, time is circular, so that people are fated to repeat triumphs and failures over and over. In another, there is a place where time stands still, visited by lovers and parents clinging to their children. In another, time is a nightingale, sometimes trapped by a bell jar. Now translated into thirty languages, *Einstein's Dreams* has inspired playwrights, dancers, musicians, and painters all over the world. In poetic vignettes, it explores the connections between science and art, the process of creativity, and ultimately the fragility of human existence.

Ideas and Opinions - Albert Einstein 1985

From one of the world's most important and enduring minds, Albert Einstein's ideas, thoughts, and philosophies on the world and its people. Copyright © Libri GmbH. All rights reserved.

History of Western Philosophy - Bertrand Russell 2013-04-15

Now in a special gift edition, and featuring a brand new foreword by Anthony Gottlieb, this is a dazzlingly unique exploration of the works of significant philosophers throughout the ages and a definitive must-have title that deserves a revered place on every bookshelf.

The Other Einstein - Marie Benedict 2016-10-18

One of PopSugar's "25 Books You're Going to Curl Up with this Fall."

"The Other Einstein takes you into Mileva's heart, mind, and study as she tries to forge a place for herself in a scientific world dominated by men." - Bustle In the tradition of *The Paris Wife* and *Mrs. Poe*, *The Other Einstein* offers us a window into a brilliant, fascinating woman whose light was lost in Einstein's enormous shadow. It is the story of Einstein's wife, a brilliant physicist in her own right, whose contribution to the special theory of relativity is hotly debated and may have been inspired by her own profound and very personal insight. Mitza Maric has always been a little different from other girls. Most twenty-year-olds are wives by now, not studying physics at an elite Zurich university with only male students trying to outdo her clever calculations. But Mitza is smart enough to know that, for her, math is an easier path than marriage. And then fellow student Albert Einstein takes an interest in her, and the world turns sideways. Theirs becomes a partnership of the mind and of the heart, but there might not be room for more than one genius in a marriage.

Subtle is the Lord - Abraham Pais 2005-08-25

Subtle is the Lord is widely recognized as the definitive scientific biography of Albert Einstein. The late Abraham Pais was a distinguished physicist turned historian who knew Einstein both professionally and personally in the last years of his life. His biography combines a profound understanding of Einstein's work with personal recollections from their years of acquaintance, illuminating the man through the development of his scientific thought. Pais examines the formulation of Einstein's theories

of relativity, his work on Brownian motion, and his response to quantum theory with authority and precision. The profound transformation Einstein's ideas effected on the physics of the turn of the century is here laid out for the serious reader. Pais also fills many gaps in what we know of Einstein's life - his interest in philosophy, his concern with Jewish destiny, and his opinions of great figures from Newton to Freud. This remarkable volume, written by a physicist who mingled in Einstein's scientific circle, forms a timeless and classic biography of the towering figure of twentieth-century science.

Science and Hypothesis - Henri Poincaré 1907

Einstein on Politics - Albert Einstein 2013-11-10

The most famous scientist of the twentieth century, Albert Einstein was also one of the century's most outspoken political activists. Deeply engaged with the events of his tumultuous times, from the two world wars and the Holocaust, to the atomic bomb and the Cold War, to the effort to establish a Jewish homeland, Einstein was a remarkably prolific political writer, someone who took courageous and often unpopular stands against nationalism, militarism, anti-Semitism, racism, and McCarthyism. In *Einstein on Politics*, leading Einstein scholars David Rowe and Robert Schulmann gather Einstein's most important public and private political writings and put them into historical context. The book reveals a little-known Einstein--not the ineffectual and naïve idealist of popular imagination, but a principled, shrewd pragmatist whose stands on political issues reflected the depth of his humanity. Nothing encapsulates Einstein's profound involvement in twentieth-century politics like the atomic bomb. Here we read the former militant pacifist's 1939 letter to President Franklin D. Roosevelt warning that Germany might try to develop an atomic bomb. But the book also documents how Einstein tried to explain this action to Japanese pacifists after the United States used atomic weapons to destroy Hiroshima and Nagasaki, events that spurred Einstein to call for international control of nuclear technology. A vivid firsthand view of how one of the twentieth century's greatest minds responded to the greatest political challenges of his day,

Einstein on Politics will forever change our picture of Einstein's public activism and private motivations.

The Meaning of Relativity - Albert Einstein 2014-10-26

In 1921, five years after the appearance of his comprehensive paper on general relativity and twelve years before he left Europe permanently to join the Institute for Advanced Study, Albert Einstein visited Princeton University, where he delivered the Stafford Little Lectures for that year. These four lectures constituted an overview of his then-controversial

theory of relativity. Princeton University Press made the lectures available under the title *The Meaning of Relativity*, the first book by Einstein to be produced by an American publisher. As subsequent editions were brought out by the Press, Einstein included new material amplifying the theory. A revised version of the appendix "Relativistic Theory of the Non-Symmetric Field," added to the posthumous edition of 1956, was Einstein's last scientific paper.