

a brief history of time by stephen hawking

A Brief History of Time by Stephen Hawking: A Comprehensive Overview

Author: Stephen Hawking (1942-2018) was a renowned theoretical physicist and cosmologist. His contributions to our understanding of black holes, the origins of the universe, and the nature of space and time are unparalleled. His Lucasian Professor of Mathematics position at the University of Cambridge – a chair once held by Isaac Newton – solidified his status as a leading authority in theoretical physics. His work, despite his debilitating illness, garnered immense respect within the scientific community and the public alike, making him the perfect candidate to write a book that aimed to explain complex cosmological concepts to a wider audience. This makes him uniquely qualified to write *A Brief History of Time*.

Keyword: A profound exploration of the cosmos, a brief history of time by stephen hawking has captivated readers for decades, offering a remarkable journey into the universe's mysteries.

Summary of A Brief History of Time by Stephen Hawking

A brief history of time by stephen hawking attempts the ambitious task of explaining complex cosmological theories – relativity, quantum mechanics, the Big Bang, black holes – to a non-specialist audience. Hawking masterfully blends scientific concepts with clear explanations, avoiding excessive technical jargon. The book traces the evolution of cosmological thought from ancient Greece to modern physics, highlighting key discoveries and paradigm shifts. Central themes include:

The Big Bang Theory: The book presents a strong case for the Big Bang as the origin of the universe, detailing its implications and supporting evidence. It discusses the expansion of the universe and the implications of an expanding universe.

Black Holes: Hawking dedicates significant space to explaining black holes, their formation, properties, and the paradoxes they present regarding information loss.

Quantum Mechanics: He provides a simplified overview of quantum mechanics, highlighting its role in understanding the early universe and the behavior of particles at a subatomic level.

The Unified Theory: A driving force throughout *a brief history of time by stephen hawking* is the quest for a unified theory – a single framework that

can encompass all physical forces and explain the universe's workings. Hawking discusses the challenges involved in finding such a theory and the various approaches being explored.

The Nature of Space and Time: The book explores the nature of space and time, examining Einstein's theories of relativity and their implications for our understanding of the universe's structure and evolution.

The Arrow of Time: Hawking delves into the concept of the arrow of time – the distinction between the past and the future – and its relationship to the second law of thermodynamics.

A brief history of time by stephen hawking isn't simply a presentation of facts; it's also a journey through the history of scientific thought, showing how our understanding of the cosmos has evolved over centuries. It's a testament to the human quest for knowledge and the ongoing search for answers to fundamental questions about existence.

Publisher: Bantam Books

Bantam Books, a division of Random House, is a major player in the publishing industry, known for its broad reach and diverse catalog. Its publication of a brief history of time by stephen hawking marked a significant event, as it brought complex scientific concepts to a mass audience. The publisher's ability to effectively market and distribute such a complex book contributed significantly to its phenomenal success. The publisher's reputation for producing high-quality, accessible books complements the book's own goal of making complex science understandable.

Editor: (Unlisted)

Unfortunately, the editor of the first edition of a brief history of time by stephen hawking is not explicitly listed on readily available sources. It's common for scientific books, especially at this level, to undergo significant editorial review by multiple individuals within the publishing house to ensure both clarity and scientific accuracy. The absence of a named editor does not diminish the rigor and importance of the editorial process.

The Impact and Legacy of A Brief History of Time by Stephen Hawking

A brief history of time by stephen hawking transcended the realm of scientific literature, becoming a global phenomenon. Its success lies not only in its clear explanation of complex concepts but also in its ability to inspire awe and wonder about the universe. The book ignited public interest in cosmology and sparked a wider appreciation for scientific inquiry. Its impact continues to resonate, inspiring future generations of scientists and fostering a greater understanding of the cosmos.

Conclusion

A brief history of time by stephen hawking stands as a remarkable achievement, successfully bridging the gap between complex scientific ideas and a broad readership. Through clear prose and insightful explanations, Hawking brought the wonders of cosmology to a global audience, leaving a lasting legacy on the popularization of science and our understanding of the universe. Its continued popularity and influence underscore its lasting significance.

FAQs

1. What is the main argument of A Brief History of Time? The main argument revolves around explaining the origin, evolution, and structure of the universe using the most up-to-date scientific theories. It emphasizes the Big Bang theory, black holes, and the quest for a unified theory.
1. Who is the target audience of A Brief History of Time? While containing complex ideas, the book aims for a broad audience, including those with little to no prior knowledge of cosmology or physics. Hawking strives to make the material accessible through clear explanations and analogies.
1. What are the key scientific concepts covered in the book? Key concepts include the Big Bang theory, black holes, relativity, quantum mechanics, the arrow of time, and the search for a unified theory of everything.
1. What are the strengths and weaknesses of the book? Strengths include its clear explanations, captivating writing style, and ability to make complex concepts accessible. Weaknesses might include the simplification of some highly intricate concepts, potentially leading to oversimplification in some areas for critical readers.
1. How has A Brief History of Time impacted popular science? The book is widely credited with significantly increasing public interest in cosmology and popular science as a whole. Its success paved the way for many other accessible science books.

1. Is A Brief History of Time still relevant today? While some scientific theories have advanced since its publication, the core concepts and the historical perspective on the evolution of cosmological thought remain relevant and valuable.
1. What makes A Brief History of Time unique? Its unique combination of clear explanations, historical context, and the author's own compelling narrative makes it stand out. Hawking's personal story also adds a layer of human interest.
1. Are there any updated or expanded versions of the book? Yes, Hawking later published a revised and expanded edition that incorporated some of the latest findings in cosmology.
1. What are some alternative books to read after finishing A Brief History of Time? Readers seeking further exploration could look into books on specific topics covered in Hawking's work, such as black holes, the Big Bang, or quantum mechanics, or explore more advanced works on cosmology.

Related Articles:

1. Black Holes and Baby Universes and Other Essays: A collection of essays by Stephen Hawking, delving deeper into specific concepts mentioned in A Brief History of Time.
1. The Universe in a Nutshell: A sequel to A Brief History of Time, incorporating newer discoveries and developments in cosmology.
1. A Briefer History of Time: A more concise and updated version of A Brief History of Time, tailored for readers seeking a shorter introduction.

1. The Grand Design: A collaboration with Leonard Mlodinow, where they explore the deeper philosophical implications of cosmology and physics.
1. Stephen Hawking: A Life in Science: A biography of Stephen Hawking, exploring his personal life and scientific achievements.
1. Cosmos: Carl Sagan's classic exploration of the cosmos, providing a different perspective and approach to understanding the universe.
1. Seven Brief Lessons on Physics: Carlo Rovelli's accessible guide to fundamental physics concepts, offering a complementary perspective.
1. Brief Answers to the Big Questions: A posthumous collection of Hawking's reflections on some of the greatest mysteries of the universe.
1. The Theory of Everything: A biographical film based on the life of Stephen Hawking, showcasing the human side of the renowned physicist.

a brief history of time by stephen hawking: [A Brief History of Time](#) Stephen Hawking, 2011-05-04 #1 NEW YORK TIMES BESTSELLER A landmark volume in science writing by one of the great minds of our time, Stephen Hawking's book explores such profound questions as: How did the universe begin—and what made its start possible? Does time always flow forward? Is the universe unending—or are there boundaries? Are there other dimensions in space? What will happen when it all ends? Told in language we all can understand, *A Brief History of Time* plunges into the exotic realms of black holes and quarks, of antimatter and “arrows of time,” of the big bang and a bigger God—where the possibilities are wondrous and unexpected. With exciting images and profound imagination, Stephen Hawking brings us closer to the ultimate secrets at the very heart of creation.

a brief history of time by stephen hawking: **Brief History of Time, A (Kindle)** Stephen W. Hawking, 2009-12-23

a brief history of time by stephen hawking: *A Briefer History of Time* Stephen Hawking, Leonard Mlodinow, 2005-09-27 FROM ONE OF THE MOST BRILLIANT MINDS OF OUR TIME COMES A BOOK THAT CLARIFIES HIS MOST IMPORTANT IDEAS Stephen Hawking's worldwide bestseller *A Brief History of Time* remains a landmark volume in scientific writing. But for readers who have asked for a more accessible formulation of its key concepts—the nature of space and time,

the role of God in creation, and the history and future of the universe—A Briefer History of Time is Professor Hawking's response. Although "briefer," this book is much more than a mere explanation of Hawking's earlier work. A Briefer History of Time both clarifies and expands on the great subjects of the original, and records the latest developments in the field—from string theory to the search for a unified theory of all the forces of physics. Thirty-seven full-color illustrations enhance the text and make A Briefer History of Time an exhilarating and must-have addition in its own right to the great literature of science and ideas.

a brief history of time by stephen hawking: *The Illustrated A Brief History of Time* Stephen Hawking, 1996-10-01 In the years since its publication in 1988, Stephen Hawking's A Brief History Of Time has established itself as a landmark volume in scientific writing. It has become an international publishing phenomenon, translated into forty languages and selling over nine million copies. The book was on the cutting edge of what was then known about the nature of the universe, but since that time there have been extraordinary advances in the technology of macrocosmic worlds. These observations have confirmed many of Professor Hawkin's theoretical predictions in the first edition of his book, including the recent discoveries of the Cosmic Background Explorer satellite (COBE), which probed back in time to within 300,000 years of the fabric of space-time that he had projected. Eager to bring to his original text the new knowledge revealed by these many observations, as well as his recent research, for this expanded edition Professor Hawking has prepared a new introduction to the book, written an entirely new chapter on the fascinating subject of wormholes and time travel, and updated the original chapters. In addition, to heighten understanding of complex concepts that readers may have found difficult to grasp despite the clarity and wit of Professor Hawking's writing, this edition is enhanced throughout with more than 240 full-color illustrations, including satellite images, photographs made possible by spectacular technological advance such as the Hubble Space Telescope, and computer generated images of three and four-dimensional realities. Detailed captions clarify these illustrations, enable readers to experience the vastness of intergalactic space, the nature of black holes, and the microcosmic world of particle physics in which matters and antimatter collide. A classic work that now brings to the reader the latest understanding of cosmology, A Brief History Of Time is the story of the ongoing search for the tantalizing secrets at the heart of time and space.

a brief history of time by stephen hawking: *Summary of A Brief History of Time* Readtrepreneur Publishing, 2019-05-24 A Brief History of Time by Stephen Hawking - Book Summary - Readtrepreneur (Disclaimer: This is NOT the original book, but an unofficial summary.) Time is an extremely complex subject that has given birth to countless interesting questions and Stephen Hawking answers a lot of them. A Brief History of Time is a book written by one of the most brilliant scientist in the world. Reviewing great theories of widely known scientist and following it with his own work which reveal many secrets about time and black holes. Stephen Hawking's A Brief History of Time is definitely a must for any person curious enough about the universe surrounding him. (Note: This summary is wholly written and published by readtrepreneur.com It is not affiliated with the original author in any way) If time travel is possible, where are the tourists from the future? - Stephen Hawking Time is one of the most discussed topics by person within and outside of the scientific community. Time travel, its beginning and if it should be considered like another dimension. Time has always been a phenom that sparks our curiosity and with this book, you will feel more satisfied with your knowledge of the universe. Stephen Hawking has such a wide domain of this topic that he manages to explain it so anyone could comprehend it without much effort. P.S. A Brief History of Time is an incredibly informative book that will make you extremely knowledgeable about one of the most mysterious and interesting topics of all time. The Time for Thinking is Over! Time for Action! Scroll Up Now and Click on the Buy now with 1-Click Button to Download your Copy Right Away! Why Choose Us, Readtrepreneur? ● Highest Quality Summaries ● Delivers Amazing Knowledge ● Awesome Refresher ● Clear And Concise Disclaimer Once Again: This book is meant for a great companionship of the original book or to simply get the gist of the original book.

a brief history of time by stephen hawking: Stephen Hawking's A Brief History of Time

Stephen Hawking, 1992 A collection of comments made by scientists about Stephen Hawking and his book A brief history of time.

a brief history of time by stephen hawking: Summary: a Brief History of Time

Readtrepreneur Publishing, 2018-03-07 A Brief History of Time by Stephen Hawking | Book Summary | Readtrepreneur (Disclaimer: This is NOT the original book. If you're looking for the original book, search this link: <http://amzn.to/2C163Na>) Time is an extremely complex subject that has given birth to countless interesting questions, Stephen Hawking's answers a lot of them. A Brief History of Time is a book written by one of the most brilliant scientist in the world. Reviewing great theories of widely known scientist and following it with his own work which reveal many secrets about time and black holes. Stephen Hawking's A Brief History of Time is definitely a must for any person curious enough about the universe surrounding him. (Note: This summary is wholly written and published by readtrepreneur.com It is not affiliated with the original author in any way) If time travel is possible, where are the tourists from the future? - Stephen Hawking Time is one of the most discussed topics by person within and outside of the scientific community. Time travel, its beginning and if it should be considered like another dimension. Time has always been a phenom that sparks our curiosity and with this book, you will feel more satisfied with your knowledge of the universe. Stephen Hawking has such a wide domain of this topic that he manages to explain it so anyone could comprehend it without much effort. P.S. A Brief History of Time is an incredibly informative book that will make you extremely knowledgeable about one of the most mysterious and interesting topics of all time. The Time for Thinking is Over! Time for Action! Scroll Up Now and Click on the Buy now with 1-Click Button to Get A Copy Delivered to Your Doorstep Right Away! Why Choose Us, Readtrepreneur? Highest Quality Summaries Delivers Amazing Knowledge Awesome Refresher Clear And Concise Disclaimer Once Again: This book is meant for a great companionship of the original book or to simply get the gist of the original book. If you're looking for the original book, search for this link: <http://amzn.to/2C163Na>

a brief history of time by stephen hawking: To Paradise Hanya Yanagihara, 2022-01-11 #1

NEW YORK TIMES BEST SELLER • From the award-winning, best-selling author of the classic *A Little Life*—a bold, brilliant novel spanning three centuries and three different versions of the American experiment, about lovers, family, loss and the elusive promise of utopia. A BEST BOOK OF THE YEAR: VOGUE • ESQUIRE • NPR • GOODREADS *To Paradise* is a fin de siècle novel of marvelous literary effect, but above all it is a work of emotional genius. The great power of this remarkable novel is driven by Yanagihara's understanding of the aching desire to protect those we love—partners, lovers, children, friends, family, and even our fellow citizens—and the pain that ensues when we cannot. In an alternate version of 1893 America, New York is part of the Free States, where people may live and love whomever they please (or so it seems). The fragile young scion of a distinguished family resists betrothal to a worthy suitor, drawn to a charming music teacher of no means. In a 1993 Manhattan besieged by the AIDS epidemic, a young Hawaiian man lives with his much older, wealthier partner, hiding his troubled childhood and the fate of his father. And in 2093, in a world riven by plagues and governed by totalitarian rule, a powerful scientist's damaged granddaughter tries to navigate life without him—and solve the mystery of her husband's disappearances. These three sections comprise an ingenious symphony, as recurring notes and themes deepen and enrich one another: A townhouse in Washington Square Park in Greenwich Village; illness, and treatments that come at a terrible cost; wealth and squalor; the weak and the strong; race; the definition of family, and of nationhood; the dangerous righteousness of the powerful, and of revolutionaries; the longing to find a place in an earthly paradise, and the gradual realization that it can't exist. What unites not just the characters, but these Americas, are their reckonings with the qualities that make us human: Fear. Love. Shame. Need. Loneliness.

a brief history of time by stephen hawking: My Brief History Stephen Hawking, 2013-09-10

NATIONAL BESTSELLER Stephen Hawking has dazzled readers worldwide with a string of bestsellers exploring the mysteries of the universe. Now, for the first time, perhaps the most brilliant

cosmologist of our age turns his gaze inward for a revealing look at his own life and intellectual evolution. My Brief History recounts Stephen Hawking's improbable journey, from his postwar London boyhood to his years of international acclaim and celebrity. Lavishly illustrated with rarely seen photographs, this concise, witty, and candid account introduces readers to a Hawking rarely glimpsed in previous books: the inquisitive schoolboy whose classmates nicknamed him Einstein; the jokester who once placed a bet with a colleague over the existence of a particular black hole; and the young husband and father struggling to gain a foothold in the world of physics and cosmology. Writing with characteristic humility and humor, Hawking opens up about the challenges that confronted him following his diagnosis of ALS at age twenty-one. Tracing his development as a thinker, he explains how the prospect of an early death urged him onward through numerous intellectual breakthroughs, and talks about the genesis of his masterpiece A Brief History of Time—one of the iconic books of the twentieth century. Clear-eyed, intimate, and wise, My Brief History opens a window for the rest of us into Hawking's personal cosmos.

a brief history of time by stephen hawking: The Universe in a Nutshell Stephen W. Hawking, 2005-01 Stephen Hawking's A Brief History of Time was a publishing phenomenon. Translated into thirty languages, it has sold over nine million copies worldwide. It continues to captivate and inspire new readers every year. When it was first published in 1988 the ideas discussed in it were at the cutting edge of what was then known about the universe. In the intervening years there have been extraordinary advances in our understanding of the space and time. The technology for observing the micro- and macro-cosmic world has developed in leaps and bounds. During the same period cosmology and the theoretical sciences have entered a new golden age. Professor Stephen Hawking has been at the heart of this new scientific renaissance. Now, in The Universe in a Nutshell, Stephen Hawking brings us fully up-to-date with the advances in scientific thinking. We are now nearer than we have ever been to a full understanding of the universe. In a fascinating and accessible discussion that ranges from quantum mechanics, to time travel, black holes to uncertainty theory, to the search for science's Holy Grail the unified field theory (or in layman's terms the theory of absolutely everything) Professor Hawking once more takes us to the cutting edge of modern thinking. Beautifully illustrated throughout, with original artwork commissioned for this project, The Universe in a Nutshell is guaranteed to be the biggest science book of 2001.

a brief history of time by stephen hawking: The 100 Best Nonfiction Books of All Time Robert McCrum, 2018 Beginning in 1611 with the King James Bible and ending in 2014 with Elizabeth Kolbert's 'The Sixth Extinction', this extraordinary voyage through the written treasures of our culture examines universally-acclaimed classics such as Pepys' 'Diaries', Charles Darwin's 'The Origin of Species', Stephen Hawking's 'A Brief History of Time' and a whole host of additional works --

a brief history of time by stephen hawking: A Brief History of Time Stephen Hawking, 2008 When it was first published in 1988 the ideas discussed in the original publication of A Brief History of Time were at the cutting edge of what was then known about the universe. In the intervening twenty years there have been extraordinary advances in the technology of observing both the micro- and macro-cosmic world. During that time cosmology and the theoretical sciences have entered a new golden age.

a brief history of time by stephen hawking: A Briefer History of Time Eric Schulman, 1999 From the Big Bang to the evolution of humans and the resignation of Richard Nixon, A Brief History of Time is a highly irreverent, historically entertaining, and scientifically correct overview of the most important cosmic milestones since the beginning of time. From learning how to make a star with Martha Stewart (I love stars because they provide an opportunity to be so wonderfully creative with such simple ingredients) to a classic potboiler account of the first instance of molecular reproduction (It was a dark and stormy tide pool), to the unhappily-ever-after fairy tale of Shelly Shrew and her dinosaur friends (Once upon a time, on a warm June day about 65 million years ago, while Shelley Shrew was sleeping under a big green leaf on an island near the Yucatan Peninsula in

what is now Mexico, a comet hit her on the head and killed her instantly), Eric Schulman offers readers a whizbang collection of the universe's greatest hits. Unique, funny, and educational, *A Brief(er) History of Time* is the perfect book for readers who want to know what's been going on for the past 15 billion years, but don't have a lot of time.

a brief history of time by stephen hawking: Book Review: A Brief History of Time by Stephen Hawking 50minutes, 2019-04-08

a brief history of time by stephen hawking: Book Review: A Brief History of Time by Stephen Hawking 50minutes,, 2019-04-08 It can be hard for busy professionals to find the time to read the latest books. Stay up to date in a fraction of the time with this concise guide. As its name suggests, *A Brief History of Time* sets out the history of our understanding of time and the universe around us. In this bestselling and highly influential book, Stephen Hawking seeks to explain how the universe works and find out where we came from and where we are going, in an accessible style that can be understood even by readers with no prior knowledge of the subject. This clarity and accessibility made *A Brief History of Time* a publishing phenomenon: it spent over two years on the New York Times bestseller list and has been translated into over 30 languages, making it one of the most influential popular science books ever written. Stephen Hawking was one of the most respected scientists of the 20th century, and is remembered in particular for his work on general relativity and black holes. This book review and analysis is perfect for: •Students of physics at all levels •Anyone who wants to gain a better understanding of how the universe works •Anyone who wants to learn about the history of physics and cosmology About 50MINUTES.COM | BOOK REVIEW The Book Review series from the 50Minutes collection is aimed at anyone who is looking to learn from experts in their field without spending hours reading endless pages of information. Our reviews present a concise summary of the main points of each book, as well as providing context, different perspectives and concrete examples to illustrate the key concepts.

a brief history of time by stephen hawking: Superforce Paul Davies, 1985-09-17 From Simon & Schuster, *Superforce* is Paul Davies' latest work that searches for a grand unified theory of nature. *Superforce* explains how recent discoveries in physics and the new cosmology have transformed concepts of the physical world by linking space, time, matter, force, creation, order, and mind into the ultimate scientific theory.

a brief history of time by stephen hawking: Hawking Hawking Charles Seife, 2021-04-06 Stephen Hawking was widely recognized as the world's best physicist and even the most brilliant man alive—but what if his true talent was self-promotion? When Stephen Hawking died, he was widely recognized as the world's best physicist, and even its smartest person. He was neither. In *Hawking Hawking*, science journalist Charles Seife explores how Stephen Hawking came to be thought of as humanity's greatest genius. Hawking spent his career grappling with deep questions in physics, but his renown didn't rest on his science. He was a master of self-promotion, hosting parties for time travelers, declaring victory over problems he had not solved, and wooing billionaires. In a wheelchair and physically dependent on a cadre of devotees, Hawking still managed to captivate the people around him—and use them for his own purposes. A brilliant exposé and powerful biography, *Hawking Hawking* uncovers the authentic Hawking buried underneath the fake. It is the story of a man whose brilliance in physics was matched by his genius for building his own myth.

a brief history of time by stephen hawking: *A Brief History of Eternity* Roy E. Peacock, 1990 This book has a twofold purpose: the first is to trace the development of cosmology, the study of the universe, and the second is to demonstrate the limitation of science. Dr. Peacock questions the idea that the universe is infinite, showing that science can answer the hows of the universe, but not the whys.

a brief history of time by stephen hawking: Black Holes and the Universe Igor' Dmitrievich Novikov, 1995-09-28 A popular account of the properties and significance of black holes.

a brief history of time by stephen hawking: The Large Scale Structure of Space-Time S. W. Hawking, G. F. R. Ellis, 1975-02-27 Einstein's General Theory of Relativity leads to two remarkable predictions: first, that the ultimate destiny of many massive stars is to undergo

gravitational collapse and to disappear from view, leaving behind a 'black hole' in space; and secondly, that there will exist singularities in space-time itself. These singularities are places where space-time begins or ends, and the presently known laws of physics break down. They will occur inside black holes, and in the past are what might be construed as the beginning of the universe. To show how these predictions arise, the authors discuss the General Theory of Relativity in the large. Starting with a precise formulation of the theory and an account of the necessary background of differential geometry, the significance of space-time curvature is discussed and the global properties of a number of exact solutions of Einstein's field equations are examined. The theory of the causal structure of a general space-time is developed, and is used to study black holes and to prove a number of theorems establishing the inevitability of singularities under certain conditions. A discussion of the Cauchy problem for General Relativity is also included in this 1973 book.

a brief history of time by stephen hawking: *Welcome to the Future* Megan Rose, 2021-11 This is the story of Megan Rose who was abducted twice by malevolent extra-terrestrials and rescued by benevolent Nordic aliens. She kept in touch with her rescuer and has brought in this book, the story of a galactic war on planet earth, as explained by her Nordic friends from the stars. The people of earth have falsely been led to believe that aliens don't exist. The knowledge of extra-terrestrial life in this solar system is imperative to the understanding of earth's past, present and future. Through the awakening of humanity to the existence of extra-terrestrial life, a new era is birthed for all inhabitants of the planet and this galaxy. Welcome to the Future.

a brief history of time by stephen hawking: *A Brief History of Time* Stephen W. Hawking, 2016-06-17

a brief history of time by stephen hawking: *Stephen Hawking* Leonard Mlodinow, 2020 An intimate and inspirational exploration of Stephen Hawking--the man, the friend, and the physicist. Stephen Hawking was one of the most famous and influential physicists in the world. He left a mark in our culture that touched the lives of millions. His books have inspired countless scientists-to-be, and his research on the laws of black holes and the origin of the universe charted new territory. Recalling his nearly two-decades as a friend and collaborator with Stephen Hawking, Leonard Mlodinow brings a complex man into focus like no one has before. He introduces us to Hawking the colleague, for whom no detail is too minor to get right, a challenge for a man who could only type one word per minute. We meet Hawking the friend, who creates such strong connections with those around him that he can communicate powerfully with just the raise of an eyebrow. We witness Hawking the genius, who, against all odds, flourishes after he is diagnosed with ALS and pours his mind into uncovering the mysteries of the universe. Brilliant, impish, and kind, Hawking endeared himself to almost everyone he came into contact with. This beautiful portrait is inspirational and is sure to stick with you long after you've read it.

a brief history of time by stephen hawking: *The Grand Design* Stephen W. Hawking, Stephen Hawking, Leonard Mlodinow, 2011 Relativity physics.

a brief history of time by stephen hawking: *Black Holes: The Reith Lectures* Stephen Hawking, 2016-05-05 "It is said that fact is sometimes stranger than fiction, and nowhere is that more true than in the case of black holes. Black holes are stranger than anything dreamed up by science fiction writers." In 2016 Professor Stephen Hawking delivered the BBC Reith Lectures on a subject that fascinated him for decades - black holes. In these flagship lectures the legendary physicist argued that if we could only understand black holes and how they challenge the very nature of space and time, we could unlock the secrets of the universe.

a brief history of time by stephen hawking: *Understanding Physics* Isaac Asimov, 1988 Motion, Sound, and Heat.

a brief history of time by stephen hawking: *A Brief History of Time* Stephen Hawking, 1998 Eager to bring to his original text the new knowledge revealed by these observations, as well as his own recent research, Professor Hawking has prepared a new introduction to the book, written an entirely new chapter on wormholes and time travel, and updated the chapters throughout.--BOOK JACKET.

a brief history of time by stephen hawking: Thursday's Universe Marcia Bartusiak, 1988

From the history of the science to the cutting edge of knowledge and technology, the story of modern astrophysics is told through interviews with and profiles of leading scientists and theoreticians.

a brief history of time by stephen hawking: *Stephen Hawking* Kitty Ferguson, 2011-11-10 In 1963 Stephen Hawking was given two years to live. Defying all the odds, he died in March 2018 at age seventy-six as the most celebrated scientist in the world. This carefully researched and updated biography and tribute gives a rich picture of Hawking's remarkable life - his childhood, the heart-rending beginning of his struggle with motor neurone disease, his ever-increasing international fame, and his long personal battle for survival in pursuit of a scientific understanding of the universe. From more recent years, Kitty Ferguson describes his inspiring leadership at the London Paralympic Games, the release of the film *The Theory of Everything*, his continuing work on black holes and the origin of the universe, the discovery of 'supertranslations', and the astounding 'Starshot' program. Here also are his intense concern for the future of the Earth and his use of his celebrity to fight for environmental and humanitarian causes, and, finally, a ground-breaking paper he was working on at the time of his death, in which he took issue with some of his own earlier theories. Throughout, Ferguson summarizes and explains the cutting-edge science in which Hawking was engaged and offers vivid first-hand descriptions of his funeral in Cambridge and the interment of his ashes in Westminster Abbey. This is an amazing and revealing tribute, assessing Hawking's legacy in and out of science.

a brief history of time by stephen hawking: *On the Origin of Time* Thomas Hertog, 2023-04-06 'A wonderful book about Stephen Hawking's biggest legacy' *Spectator* 'Truly mind-stretching... Immensely rewarding' *The Times* 'This superbly written book offers insight into an extraordinary individual, the creative process, and the scope and limits of our current understanding of the cosmos' Sir Martin Rees Stephen Hawking's closest collaborator offers the intellectual superstar's final thoughts on the universe. Perhaps the biggest question Stephen Hawking tried to answer in his extraordinary life was how the universe could have created conditions so perfectly hospitable to life. In order to solve this mystery, Hawking studied the big bang origin of the universe, but his early work ran into a crisis when the math predicted many big bangs producing a multiverse - countless different universes, most of which would be far too bizarre to harbour life. Holed up in the theoretical physics department at Cambridge, Stephen Hawking and his friend and collaborator Thomas Hertog worked on this problem for twenty years, developing a new theory of the cosmos that could account for the emergence of life. Peering into the extreme quantum physics of cosmic holograms and venturing far back in time, they were startled to find a deeper level of evolution in which the physical laws themselves transform and simplify until particles, forces, and even time itself fades away. This discovery led them to a revolutionary idea: The laws of physics are not set in stone but are born and co-evolve as the universe they govern takes shape. As Hawking's final days drew near, the two collaborators published their theory, which proposed a radical new Darwinian perspective on the origins of our universe. *On the Origin of Time* offers a striking new vision of the universe's birth that will profoundly transform the way we think about our place in the order of the cosmos and may ultimately prove to be Hawking's greatest legacy.

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