
Simon Singh Big Bang

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CHRISTINE PIPER

Bang! Anchor

The best selling author of FERMAT'S LAST THEOREM and THE CODE BOOK tells the story of the brilliant minds that deciphered the mysteries of the Big Bang. Albert Einstein once said: 'The most incomprehensible thing about the universe is that it is comprehensible.' Simon Singh believes geniuses like Einstein are not the only people able to grasp the physics that govern the universe. We all can. As well as explaining what the Big Bang theory actually is, the book will address why cosmologists believe that it is an accurate description of the origin of the universe. It will also tell the story of the scientists who fought against the establishment idea of

an eternal and unchanging universe. Simon Singh, renowned for making difficult ideas much less difficult than they first seem, is the perfect guide for this journey. Everybody has heard of the Big Bang Theory. But how many of us can actually claim to understand it? With characteristic clarity and a narrative peppered with anecdotes and personal histories of those who have struggled to understand creation, Simon Singh has written the story of the most important theory ever.

[The View From the Center of the Universe](#)
 Delacorte Press

Neil deGrasse Tyson's #1 New York Times best-selling guide to the cosmos, adapted for young readers. From the basics of physics to big questions about the nature of space and time, celebrated astrophysicist and science communicator

Neil deGrasse Tyson breaks down the mysteries of the cosmos into bite-sized pieces. Astrophysics for Young People in a Hurry describes the fundamental rules and unknowns of our universe clearly—and with Tyson's characteristic wit, there's a lot of fun thrown in, too. This adaptation by Gregory Mone includes full-color photos, infographics, and extra explanations to make even the trickiest concepts accessible. Building on the wonder inspired by outer space, Astrophysics for Young People in a Hurry introduces an exciting field and the principles of scientific inquiry to young readers.

Big Bang Fourth Estate

The best selling author of FERMAT'S LAST THEOREM and THE CODE BOOK tells the story of the brilliant minds that deciphered the mysteries of the Big Bang.

Big Bang World Scientific

Keen to learn but short on time? Get to grips with the life of Georges Lemaître in next to no time with this concise guide. 50Minutes.com provides a clear and engaging analysis of the work of Georges Lemaître. An unlikely combination of a priest and a physicist who was responsible for the theories of the expansion of the universe and the primeval atom, which today we accept and know collectively as the Big Bang theory, Lemaître was not widely credited or recognised for his theories when he first developed them. It was not until the accidental discovery of cosmic radiation many years later that the scientific community finally came to accept this man and his ideas. In just 50 minutes you will: • Understand Georges Lemaître's theories of the expansion of the universe and of the primeval atom, now known as the Big Bang theory • Find out about his life and determination to reconcile his Catholic faith with his interest in physics • Learn about the accidental discoveries that eventually led to the confirmation of his theories ABOUT 50MINUTES.COM | History & Culture 50MINUTES.COM will enable you to quickly understand the main events, people, conflicts and discoveries from world history that have shaped the world we live in today. Our publications present the key information on a wide variety of topics in a quick and accessible way that is guaranteed to save you time on your journey of discovery.

The Story of Earth Universities Press

A brilliant populariser and award-winning writer John Gribbin tells the whole story of the micro-world, and the people who made the discoveries. An essential complement to Gribbin's Companion to the Cosmos, it is about the inner structure of everything—a quest which, like the quest for the understanding of the Universe at large goes back to the ancient Greeks and touches on all of scientific and philosophic thought since then.

Fosse St. Martin's Press

"As gripping as a good thriller." --The Washington Post Unpack the science of secrecy and discover the methods behind cryptography--the encoding and decoding of information--in this clear and easy-to-understand young adult adaptation of the national bestseller that's perfect for this age of WikiLeaks, the Sony hack, and other events that reveal the extent to which our technology is never quite as secure as we want to believe. Coders and codebreakers alike will be fascinated by history's most mesmerizing stories of intrigue and cunning--from Julius Caesar and his Caesar cipher to the Allies' use of

the Enigma machine to decode German messages during World War II. Accessible, compelling, and timely, The Code Book is sure to make readers see the past--and the future--in a whole new way. "Singh's power of explaining complex ideas is as dazzling as ever." --The Guardian

The Code Book A&C Black

Have You Ever Wondered How "The Simpsons" Predict the Future? "Did The Simpsons really, truly predict anything? I predict you'll have to purchase this book to get the true story." —Bill Oakley, Simpsons writer and producer #1 New Release in Animated Movies, Comedy Movies, and Comedy Television Then, The Simpsons Secret is the book for you. Delve into some of the biggest predictions that came true on the show, and just how the Simpsons predict the future. Simpson predictions from three-eyed fish to presidential elections. "The Simpsons" has been predicting major events with scary accuracy for over three decades. From Donald Trump's presidency to Disney buying 20th Century Fox (...years before it happened!). People just can't seem to get enough and are eager to know what they are going to predict next. This book goes behind the scenes of this adored cartoon series, and the family we've grown to love. Between Homer, Marge, Bart, Lisa, and the rest of the Simpsons family, the show has stolen our hearts, and also left us amazed at how often the Simpsons predict the future! So how do they do it? Is it a crystal ball? A fountain of knowledge? Have the writers gained the ability to travel through time? As shocking as it may seem, the answer is actually a little simpler than that. The cartoon crew is not in a secret society that can see the future, nor have they mastered the art of time travel. In The Simpsons Secret, learn more about: How The Simpsons are able to predict so many major events How the show writers and producers come up with these ideas And so much more about your favorite old-school cartoon family If you enjoyed books like Springfield Confidential, The Simpsons Family History, Friends Forever, or The Office, you'll love The Simpsons Secret.

The Science of Secrecy Basic Books (AZ)

"Impey combines the vision of a practicing scientist with the voice of a gifted storyteller."—Dava Sobel In this vibrant, eye-opening tour of milestones in the history of our universe, Chris Impey guides us through space and time, leading us from the familiar sights of the night sky to the dazzlingly strange aftermath of the Big Bang. What if we could look into space and see not only our place in the universe but also how we came to be here? As it

happens, we can. Because it takes time for light to travel, we see more and more distant regions of the universe as they were in the successively greater past. Impey uses this concept—"look-back time"—to take us on an intergalactic tour that is simultaneously out in space and back in time. Performing a type of cosmic archaeology, Impey brilliantly describes the astronomical clues that scientists have used to solve fascinating mysteries about the origins and development of our universe. The milestones on this journey range from the nearby to the remote: we travel from the Moon, Jupiter, and the black hole at the heart of our galaxy all the way to the first star, the first ray of light, and even the strange, roiling conditions of the infant universe, an intense and volatile environment in which matter was created from pure energy. Impey gives us breathtaking visual descriptions and also explains what each landmark can reveal about the universe and its history. His lucid, wonderfully engaging scientific discussions bring us to the brink of modern cosmology and physics, illuminating such mind-bending concepts as invisible dimensions, timelessness, and multiple universes. A dynamic and unforgettable portrait of the cosmos, How It Began will reward its readers with a deeper understanding of the universe we inhabit as well as a renewed sense of wonder at its beauty and mystery.

Advanced Presentations by Design

50Minutes.com

Introducing the Collins Modern Classics, a series featuring some of the most significant books of recent times, books that shed light on the human experience - classics which will endure for generations to come.

Fermat's Last Theorem W. W. Norton & Company

Hailed by The New York Times for writing "with wonderful clarity about science . . . that effortlessly teaches as it zips along," nationally bestselling author Robert M. Hazen offers a radical new approach to Earth history in this intertwined tale of the planet's living and nonliving spheres. With an astrobiologist's imagination, a historian's perspective, and a naturalist's eye, Hazen calls upon twenty-first-century discoveries that have revolutionized geology and enabled scientists to envision Earth's many iterations in vivid detail—from the mile-high lava tides of its infancy to the early organisms responsible for more than two-thirds of the mineral varieties beneath our feet. Lucid, controversial, and on the cutting edge of its field, The Story of Earth is popular

science of the highest order. "A sweeping rip-roaring yarn of immense scope, from the birth of the elements in the stars to meditations on the future habitability of our world." -Science "A fascinating story." - Bill McKibben

Big Bang HarperCollins UK

A superb collection of weird fantasy tales by Arthur Porges (1915-2006). Includes four previously unpublished stories.

Just Six Numbers Bloomsbury Publishing USA

Traces the history of the universe from the big bang that began it, through the emergence of life in it, to current exploration of it, and theorizes about future discoveries and its ultimate end.

The Simpsons and Their Mathematical Secrets Richard Simmn Publications

The bestselling author of Fermat's Last Theorem and The Code Book tells the story of the brilliant minds that deciphered the mysteries of the Big Bang. A fascinating exploration of the ultimate question: how was our universe created?

The Code Book John Wiley & Sons

After three decades of investigation, and after traveling hundreds of thousands of miles across the globe—from Melbourne to Moscow, Boston to Beijing—Gingerich has written an utterly original book built on his experience and the remarkable insights gleaned from examining some 600 copies of *De revolutionibus*. He found the books owned and annotated by Galileo, Kepler and many other lesser-known astronomers whom he brings back to life, which illuminate the long, reluctant process of accepting the Sun-centered cosmos and highlight the historic tensions between science and the Catholic Church. He traced the ownership of individual copies through the hands of saints, heretics, scalawags, and bibliomaniacs. He was called as the expert witness in the theft of one copy, witnessed the dramatic auction of another, and proves conclusively that *De revolutionibus* was as inspirational as it

was revolutionary. Part biography of a book, part scientific exploration, part bibliographic detective story, *The Book Nobody Read* recolors the history of cosmology and offers new appreciation of the enduring power of an extraordinary book and its ideas.

It's Getting Better All the Time Robinson Advanced Presentations by Design overturns much of the conventional wisdom and practice for creating presentations. Based on over 200 research studies from the fields of communication, marketing, psychology, multimedia, and law, it provides fact-based answers to critical questions about presentation design, including how to adapt your presentation to different audience personality preferences, what role your data should play and how much of it you need, how to turn your data into a story, and how to design persuasive yet comprehensible visual layouts.

Time, Love, Memory Cato Institute
 $xn + yn = zn$, where n represents 3, 4, 5, ...no solution "I have discovered a truly marvelous demonstration of this proposition which this margin is too narrow to contain." With these words, the seventeenth-century French mathematician Pierre de Fermat threw down the gauntlet to future generations. What came to be known as Fermat's Last Theorem looked simple; proving it, however, became the Holy Grail of mathematics, baffling its finest minds for more than 350 years. In *Fermat's Enigma*—based on the author's award-winning documentary film, which aired on PBS's "Nova"—Simon Singh tells the astonishingly entertaining story of the pursuit of that grail, and the lives that were devoted to, sacrificed for, and saved by it. Here is a mesmerizing tale of heartbreak and mastery that will forever change your feelings about mathematics.

The First Three Minutes Penguin
 Introduces the concept of the big bang

and the immensity of the universe in picture book format.

The Big Bang Book Hachette UK

The pop culture historian and best-selling author of *Fifth Avenue, 5 A.M.* presents a revealing portrait of the renowned dancer, choreographer, screenwriter and director that traces his numerous reinventions and prodigious professional achievements as well as his romantic relationships and excessive appetites. 40,000 first printing.
Astrophysics for Young People in a Hurry Harper Collins

According to a recent survey, the most popular question about science from the general public was: what came before the Big Bang? We all know on some level what the Big Bang is, but we don't know how it became the accepted theory, or how we might know what came before. In *Before the Big Bang*, Brian Clegg (the critically acclaimed author of *Upgrade Me* and *The God Effect*) explores the history of this remarkable concept. From the earliest creation myths, through Hershel's realization that the Milky Way was one of many galaxies, to on-going debates about Black Holes, this is an incredible look at the origins of the universe and the many theories that led to the acceptance of the Big Bang. But in classic scientist fashion Clegg challenges the notion of the "Big Bang" itself, and raises the deep philosophical question of why we might want to rethink the origin of the universe. This is popular science at its best, exploratory, controversial, and utterly engrossing.

How It Began: A Time-Traveler's Guide to the Universe Mango Media Inc.

Tells the story of the many scientists who fought against the establishment idea of an eternal and unchanging cosmos. From such early Greek cosmologists as Anaximander to recent satellite measurements taken deep in space, Big Bang is a narrative full of anecdotes and personal histories.