



Universe in a Nutshell/Illustrated Brief History of Time (Boxed Set)

Stephen William Hawking

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Universe in a Nutshell/Illustrated Brief History of Time (Boxed Set) Stephen William Hawking *The Universe in a Nutshell*

Stephen Hawking's phenomenal, multimillion-copy bestseller, A Brief History of Time, introduced the ideas of this brilliant theoretical physicist to readers all over the world.

Now, in a major publishing event, Hawking returns with a lavishly illustrated sequel that unravels the mysteries of the major breakthroughs that have occurred in the years since the release of his acclaimed first book.

The Universe in a Nutshell

* Quantum mechanics * M-theory * General relativity * 11-dimensional supergravity * 10-dimensional membranes * Superstrings * P-branes * Black holes

One of the most influential thinkers of our time, Stephen Hawking is an intellectual icon, known not only for the adventurousness of his ideas but for the clarity and wit with which he expresses them. In this new book Hawking takes us to the cutting edge of theoretical physics, where truth is often stranger than fiction, to explain in laymen's terms the principles that control our universe.

Like many in the community of theoretical physicists, Professor Hawking is seeking to uncover the grail of science -- the elusive Theory of Everything that lies at the heart of the cosmos. In his accessible and often playful style, he guides us on his search to uncover the secrets of the universe -- from supergravity to supersymmetry, from quantum theory to M-theory, from holography to duality.

He takes us to the wild frontiers of science, where superstring theory and p-branes may hold the final clue to the puzzle. And he lets us behind the scenes of one of his most exciting intellectual adventures as he seeks "to combine Einstein's General Theory of Relativity and Richard Feynman's idea of multiple histories into one complete unified theory that will describe everything that happens in the universe."

With characteristic exuberance, Professor Hawking invites us to be fellow travelers on this extraordinary voyage through space-time. Copious four-color illustrations help clarify this journey into a surreal wonderland where particles, sheets, and strings move in eleven dimensions; where black holes evaporate and disappear, taking their secret with them; and where the original cosmic seed from which our own universe sprang was a tiny nut.

The Universe in a Nutshell is essential reading for all of us who want to understand the universe in which we live. Like its companion volume, A Brief History of Time, it conveys the excitement felt within the scientific community as the secrets of the cosmos reveal themselves.

The Illustrated Brief History of Time

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 also 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 then there have been extraordinary advances in the technology of observing both the micro- and the macrocosmic world.

These observations have confirmed many of Professor Hawking'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 universe's beginning and revealed the wrinkles in 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 most recent research, for this revised and expanded edition Hawking has prepared a new introduction to the book, revised and updated the original chapters throughout, and written an entirely new chapter on the fascinating subject of wormholes and time travel.

In addition, to heighten understanding of complex concepts that readers may have found difficult to grasp despite the clarity and wit of Hawking's writing, this edition is magnificently enhanced throughout with more than 240 full-color illustrations, including satellite images, photographs made possible by spectacular new technological advances such as the Hubble telescope, and computer- generated images of three- and fourdimensional realities. Detailed captions clarify these illustrations, enabling readers to experience the vastness of intergalactic space, the nature of black holes, and the microcosmic world of particle physics in which matter and antimatter collide.

A classic work that now brings to the reader the latest understanding of cosmology, The Illustrated A Brief History of Time is the story of the ongoing search for the tantalizing secrets at the heart of time and space.



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John Burns:

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