



# Einstein's Cosmos: How Albert Einstein's Vision Transformed Our Understanding of Space and Time (Great Discoveries)

By Michio Kaku

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In paperback for the centenary of the discovery of relativity, "a fresh and highly visual tour through Einstein's astonishing legacy" (Brian Greene).

The year 2005 marks the 100th anniversary of the publication of the paper that launched Einstein's career, made  $E=mc^2$  famous, and ushered in a revolution in science—the paper that announced the theory of special relativity. And there's no better short book that explains just what Einstein did than *Einstein's Cosmos*. Keying Einstein's crucial discoveries to the simple mental images that inspired them, Michio Kaku finds a revealing new way to discuss these ideas, and delivers an appealing and always accessible introduction to Einstein's work.

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### Editorial Review

From Scientific American

Thanks to Kaku's insight (he is a theoretical physicist) and his flair for explaining dense scientific concepts (he is a best-selling author), this brief book weaves Einstein's life and work into a seamless, hard-to-put-down narrative. The organizing metaphor is how Einstein thought in terms of simple physical pictures--speeding trains, falling elevators, moving clocks. Excellent for the neophyte or readers who want to refresh their knowledge about Einstein without being talked down to or bored.

*Editors of Scientific American*

From [Booklist](#)

Recent popular works about Einstein have magnified select details of his life, such as his tempestuous marriage to Mileva Maric (*Einstein in Love*, by Dennis Overbye, 2000) or his FBI file (*The Einstein File*, by Fred Jerome [BKL Ap 1 03]). Such topics are reduced to paragraphs in Kaku's presentation, for Einstein's life ranks second to his science here. Accordingly, Kaku divides his narrative into the three great segments of Einstein's scientific arc: the theory of special relativity in 1905; the theory of general relativity in 1916; and the balance of Einstein's intellectual life. The latter was spent searching for a unified field theory and saw the rise of his phenomenal celebrity, which his peers regarded as a dubious dissipation of genius. However, such lamentations were premature, according to Kaku, who explicates recent discoveries that show Einstein was only audaciously ahead of his scientific time, as usual. An expert in quantum mechanics and string theory, Kaku is an equally able popular writer, vividly evoking the pictorial imagination behind Einstein's revolutionary thinking. *Gilbert Taylor*

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Review

"Kaku enables the reader to see and think as Einstein did, leading us to a simpler, more complete understanding of several of the most important scientific ideas of our time."

### Users Review

**From reader reviews:**

**Sandra Lowe:**

Have you spare time to get a day? What do you do when you have a lot more or little spare time? Yes, you can choose the suitable activity intended for spend your time. Any person spent their particular spare time to take a go walking, shopping, or went to the Mall. How about open as well as read a book called Einstein's Cosmos: How Albert Einstein's Vision Transformed Our Understanding of Space and Time (Great Discoveries)? Maybe it is to become best activity for you. You understand beside you can spend your time using your favorite's book, you can more intelligent than before. Do you agree with the opinion or you have additional opinion?

**Verna Tubbs:**

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