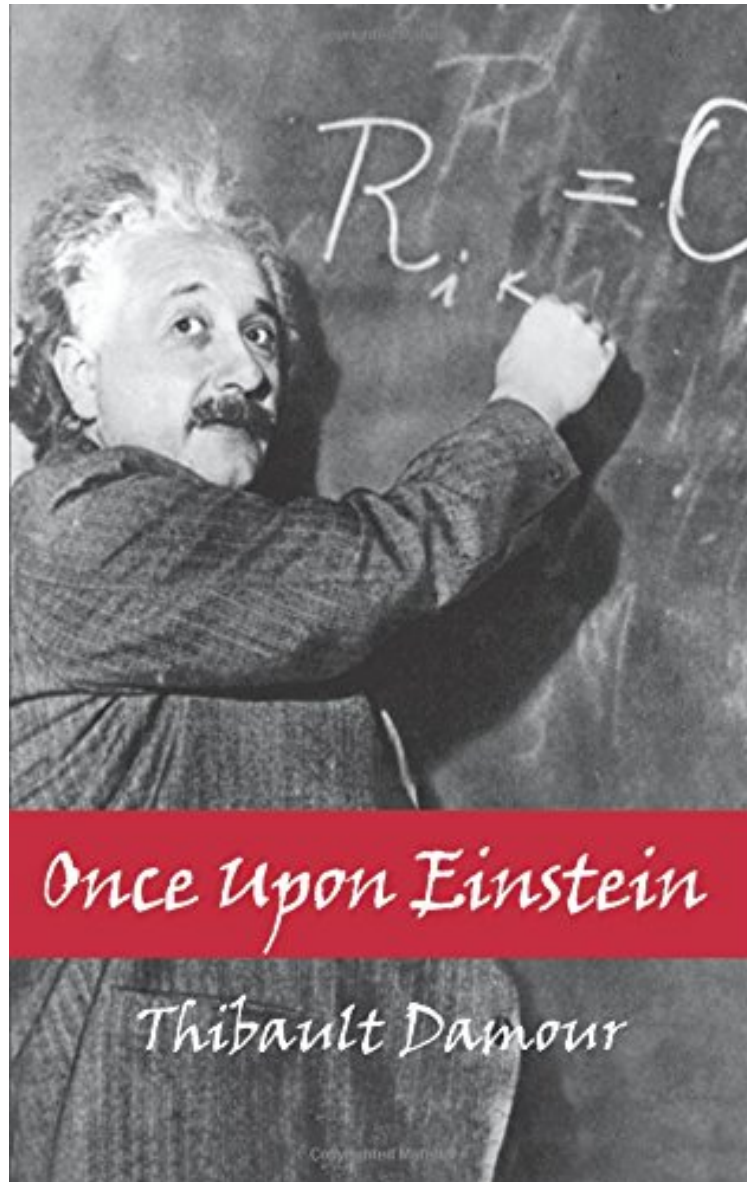


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## Once Upon Einstein

*Thibault Damour*

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#2481585 in Books A K Peters/CRC Press 2006-03-09Ingredients: Example IngredientsOriginal language:EnglishPDF # 1 8.80 x .40 x 6.00l, .60 #File Name: 1568812892199 pages | File size: 71.Mb

**Thibault Damour : Once Upon Einstein** before purchasing it in order to gage whether or not it would be worth my time, and all praised Once Upon Einstein:

0 of 0 people found the following review helpful. a must read "Once Upon Einstein"By bowonwingThe first reviewer said it all, this book is a must buy. The only thing I might add is IMO you do NOT have be at the college level to appreciate this wonderful book, which is part of this books beauty. Anyone interested in Einstein, relativity and/or

cosmology can read this book and appreciate it. The chapter headings: 1. "The Question of Time," 2. "The World's Checkerboard," 3. "Elastic-Space Time," 4. "Einstein's World-Game," 5. "Light and Energy in Grains," 6. "Confronting the Sphinx," 7. "Einstein's Legacy." I have read a lot of books on Einstein and his work, Damour has this wonderful touch of explaining these "difficult subjects" in an understandable way, my only grip is there is no index (which is a crime), but it does have great notes at the end of the book. Damour's discussion of "Elastic-Space Time" is brilliant, which includes discussions of the meaning of "tensors" and the notations of tensors "g<sub>uv</sub>," "T<sub>uv</sub>," and "R<sub>uv</sub>." I disagree with some of the things Damour says, such as his discussion of Godel's cosmos, where "time can turn around on itself." (page 95). But these are minor.

0 of 0 people found the following review helpful. A 'must' for any college-level student. By Midwest Book Review Einstein's name is readily acknowledged and celebrated as the founder of 20th century physics - but where did he get his ideas, and what discoveries were they based upon? ONCE UPON EINSTEIN blends scenes from his life and ideas on the formation of his theories and their modern applications to blend philosophy and science under one cover. Thibault Damour is a professor and a theoretical physicist himself with his own acclaim for work on black holes and string theory: his survey of Einstein is a 'must' for any college-level student. Diane C. Donovan California Bookwatch

It is well known that Einstein founded twentieth-century physics with his work on relativity and quanta, but what do we really know about these ground breaking ideas? How were they discovered? What should we retain today from the conceptual upheavals he initiated? Through a selection of concrete scenes taken from Einstein's life, the author offers a view into the formation of his theories, as well as reminders of the day-to-day applications of his ideas. Simultaneously the reader is lead through a reflection on their philosophical impact: How should we think of time according to the theory of relativity, which removes any meaningful "now" and shows that twins can have different ages? How should we think of reality when quantum theory predicts that spatially separated objects nevertheless remain connected through Einstein's notion of "entanglement," which has recently been verified through scientific observation? This book puts readers in Einstein's place, allowing them to share some of those particular moments when he succeeded in "lifting a corner of the great veil."