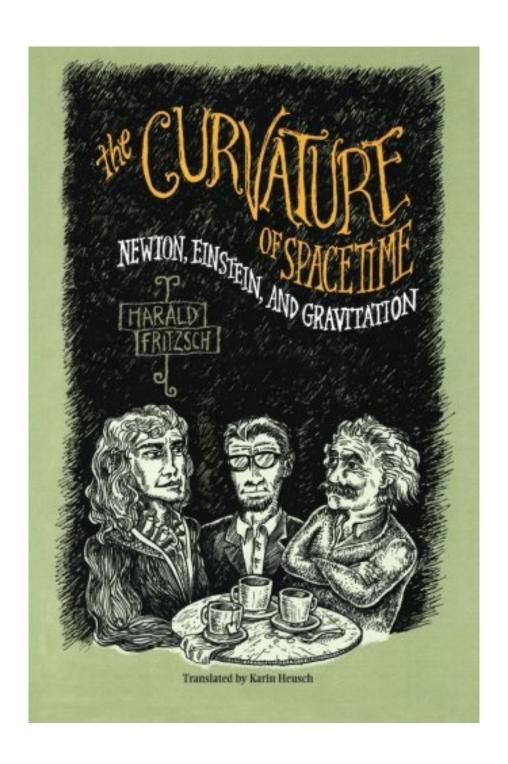


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#### Review

In his latest book, the renowned German physicist Harold Fritzsch adopts an interesting method of explaining Einstein's relativity theory and its implications.

(Toronto Globe & Mail)

Fritzsch'sThe Curvature of Spacetime is a time-travel dialogue set in 1996 between three men: Isaac Newton, Albert Einstein... and an imaginary modern expert, Adrian Haller.... As an expository device, the dialogue form is quite successful. It lets Haller teach Einstein and Newton (and us) the current status, experimental and theoretical, of particle physics, drawing the reader into exchanges of view and conflicting ideas more readily than conventional exposition would allow.

(Francis Everitt Nature)

There have been many admirable attempts to bring Einstein's ideas to a wider public, and I am sureThe Curvature of Spacetime makes a contribution to that process

(Robert Pepperell Leonardo Review)

Language Notes

Text: English (translation) Original Language: German

About the Author

Harald Fritzsch holds the chair in theoretical physics at the University of Munich. He is also a regular visiting professor at the California Institute of Technology, the European Center for Particle Physics (CERN) in Geneva, and at the Stanford Linear Accelerator Center of Stanford University. He is the author of many

books that have been translated into English, including The Creation of Matter: The Universe from Beginning to End, Quarks: The Stuff of Matter, and An Equation That Changed the World: Newton, Einstein, and the Theory of Relativity.

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The internationally renowned physicist Harald Fritzsch deftly explains the meaning and far-flung implications of the general theory of relativity and other mysteries of modern physics by presenting an imaginary conversation among Newton, Einstein, and a fictitious contemporary particle physicist named Adrian Haller?the same device Fritzsch employed to great acclaim in his earlier book An Equation That Changed the World, which focused on the special theory of relativity.

Einstein's theory of gravitation, his general theory of relativity, touches on basic questions of our existence. Matter, according to Einstein, has no existence independent of space and time. It is even capable of bending the structure of space and changing the course of time?it introduces a "curvature." Gravity emerges not as an actual physical force but as a consequence of space-time geometry. Even the apple that drops from the tree follows the curvature of time and space.

In this entertaining and involving account of relativity, Newton serves as the skeptic and asks the questions a modern reader might ask. Einstein himself does the explaining, while Haller explains the new developments that have occurred since the general theory was proposed. The result is an intellectual roller-coaster ride in which concepts that have entered the vernacular become clear for the first time: the Big Bang, "black holes," elementary particles, and much more.

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Was looking for a book that would explain the Theory of General Relativity, not only the basics, but without losing me on the way... Well, I found it! The approach is very interesting, it reads like a novel rather than like a textbook. The content is accessible, become challenging, and start questioning your own understanding of the world around you, to figure out what it is really about.

Would recommend this book to anyone with a scientific background, but not the mathematical ease to develop the theoretical part of this theory. It will give a good sense of the physical aspect of General relativity

5 of 5 people found the following review helpful.

The Curvature Of Spacetime: Newton, Einstein, And Gravitation

By John K. Brady

Although this book is a general public level presentation in the fields of special and general relativity, it reads like a novel, presents many historically accurate facts about the lives of two famous individuals - Albert Einstein and Sir Isaac Newton - and presents the material in an extraordinarily understandable manner.

A good comparison would be the popular work of Stephen Hawking, albeit with a little more math than most of Hawking's.

All in all, an enjoyable read and an easy way to increase one's comprehension of several difficult concepts.

John Brady

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