



The Fourth Dimension: Toward a Geometry of Higher Reality (Dover Books on Science)

By Rudy Rucker

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This is the definitive popular exploration of what the fourth dimension means, both physically and spiritually. Mathematician and science-fiction novelist Rudy Rucker takes readers on a guided tour of a higher reality that explores what the fourth dimension is and what it has meant to generations of thinkers. The exciting and challenging journey is enhanced by more than 200 illustrations and a host of puzzles and problems (with answers).

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"Highly readable. One is reminded of the breadth and depth of Hofstadter's *Gödel, Escher, Bach*." — *Science*

"Anyone with even a minimal interest in mathematics and fantasy will find *The Fourth Dimension* informative and mind-dazzling... [Rucker] plunges into spaces above three with a zest and energy that is breathtaking." — Martin Gardner

"Those who think the fourth dimension is nothing but time should be encouraged to read *The Fourth Dimension*, along with anyone else who feels like opening the hinges of his mind and letting in a bit of fresh air." — John Sladek, *Washington Post Book World*

"A mine of mathematical insights and a thoroughly satisfying read." — Paul Davies, *Nature Magazine*

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Editorial Review

From the Back Cover

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About the Author

Rudy Rucker is an American mathematician, computer scientist, philosopher, and author of 31 books of nonfiction, science fiction, and short stories. He is Professor Emeritus of Mathematics and Computer Science at San Jose State. His other Dover books are *Geometry, Relativity and the Fourth Dimension*, and *Mind Tools: The Five Levels of Mathematical Reality*.

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