



The Wonderful World of Relativity: A precise guide for the general reader

By Andrew Steane

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This book provides a lively and visual introduction to Einstein's theory of relativity. It brings to life the excitement of this fascinating subject, for an audience including young people at school (post-16) and the general public with an interest in modern physics. It is different from existing books in that it uses many diagrams and simple equations (the reader is carefully guided through them), and richly rewards the reader with beautiful mathematical and physical insights. It begins by introducing spacetime, in the familiar context of low velocities. It then shows how Einstein's theory forces us to understand time in a new way. Paradoxes and puzzles are introduced and resolved, and the book culminates in a thorough unfolding of the relation between mass and energy. The book draws on the author's many years of experience in writing articles and reviews for a non-expert readership, and presenting physics to school pupils.

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Editorial Review

Review

"In addition to meeting the needs of general readers, this book would prove useful supplemental reading for students desiring a more intuitive understanding of special relativity."--*CHOICE*

About the Author

Andrew M. Steane was born in Bath, England (1965) and educated at Christ's Hospital school and Oxford University. He has been Professor of Physics at the University of Oxford since 2002 and has been a Visiting Professor at various institutes. Steane was awarded the Maxwell Medal and Prize of the Institute of Physics in 2000 for his work on quantum error correction. He has given numerous public lectures and school demonstrations in physics.

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