



# Special Relativity

*By T.M. Helliwell*

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## **Special Relativity** By T.M. Helliwell

Explores the 20th century revolutions in physics. This title helps readers to build up physical intuition for what is going on, before presenting mathematical descriptions. It contains many applications, ten appendices, and numerous illustrations, examples and problems.

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## Special Relativity By T.M. Helliwell Bibliography

- Rank: #82970 in Books
- Brand: Brand:
- Published on: 2009-04-30
- Original language: English
- Number of items: 1
- Dimensions: .90" h x 6.70" w x 9.90" l, 1.25 pounds
- Binding: Paperback
- 312 pages



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## **Editorial Review**

### **Review**

Einstein's Special Theory of Relativity is a superb place to begin a serious study of physics. --SciTech Book News

Judging from his book, Helliwell must be a fine teacher. He achieves a rare clarity. For instance, the derivation of the standard kinematic results starting from Einstein's postulates is outstandingly clear. Throughout, he shows an unusual and sympathetic appreciation of the problems faced by the beginning student. --John Taylor, University of Colorado

Helliwell's book strikes a tone that will be very effective with a wide population of students. The writing is very accessible and conveys excitement and engagement. The problems are abundant, and students will enormously appreciate the carefully worked examples throughout. This text chooses a middle road and has a practical flavor that is often obscured in other books. --Louis Buchholtz, California State University at Chico

### **About the Author**

THOMAS M. HELLIWELL is Burton Bettingen Professor of Physics, Emeritus, at Harvey Mudd College, USA. He received his B.A. from Pomona College, USA and his Ph.D. at Caltech, USA, where his thesis was on atomic physics and quantum mechanics. He has published more than 40 research papers, many with undergraduate coauthors, in quantum mechanics and general relativity. He has taught a wide variety of undergraduate courses, from beginning to advanced, in classical mechanics, special and general relativity, quantum mechanics, statistical mechanics, and electromagnetism. He has also served as director of the freshman division, chair of the physics department, chair of the faculty, and dean of faculty.

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