



An Introduction to Relativity

By Jayant V. Narlikar

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General relativity is now an essential part of undergraduate and graduate courses in physics, astrophysics and applied mathematics. This simple, user-friendly introduction to relativity is ideal for a first course in the subject. Beginning with a comprehensive but simple review of special relativity, the book creates a framework from which to launch the ideas of general relativity. After describing the basic theory, it moves on to describe important applications to astrophysics, black hole physics, and cosmology. Several worked examples, and numerous figures and images, help students appreciate the underlying concepts. There are also 180 exercises which test and develop students' understanding of the subject. The textbook presents all the necessary information and discussion for an elementary approach to relativity. Password-protected solutions to the exercises are available to instructors at www.cambridge.org/9780521735612.

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Review

"...this is an excellent book, which researchers in relativity will treasure for its historical perspective." -
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About the Author

Jayant V. Narlikar is Emeritus Professor at the Inter-University Centre for Astronomy and Astrophysics, Pune, India. He is author of *An Introduction to Cosmology*, now in its third edition (Cambridge University Press, 2002), and has been active in teaching and researching cosmology, theoretical astrophysics, gravitation and relativity for nearly five decades.

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