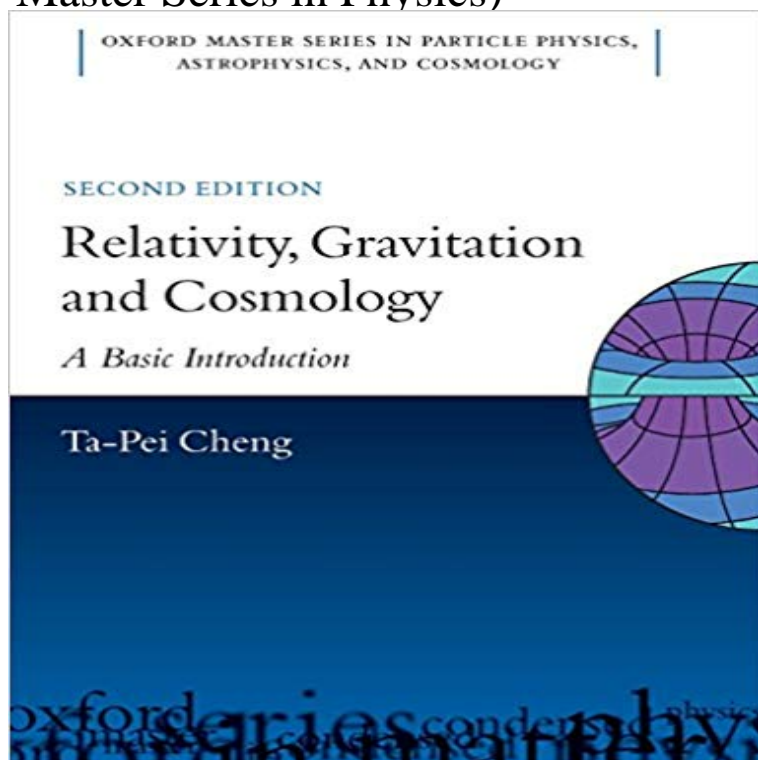


Relativity, Gravitation and Cosmology: A Basic Introduction (Oxford Master Series in Physics)



Einstein's general theory of relativity is introduced in this advanced undergraduate and beginning graduate level textbook. Topics include special relativity, in the formalism of Minkowski's four-dimensional space-time, the principle of equivalence, Riemannian geometry and tensor analysis, Einstein field equation, as well as many modern cosmological subjects, from primordial inflation and cosmic microwave anisotropy to the dark energy that propels an accelerating universe. The author presents the subject with an emphasis on physical examples and simple applications without the full tensor apparatus. The reader first learns how to describe curved spacetime. At this mathematically more accessible level, the reader can already study the many interesting phenomena such as gravitational lensing, precession of Mercury's perihelion, black holes, and cosmology. The full tensor formulation is presented later, when the Einstein equation is solved for a few symmetric cases. Many modern topics in cosmology are discussed in this book: from inflation, cosmic microwave anisotropy to the dark energy that propels an accelerating universe. Mathematical accessibility, together with the various pedagogical devices (e.g., worked-out solutions of chapter-end problems), make it practical for interested readers to use the book to study general relativity and cosmology on their own.

Relativity, Gravitation and Cosmology: A Basic Introduction (Oxford Master Series in Physics) by Ta-Pei Cheng (January 11, 2010) on . *FREE*OXFORD MASTER SERIES IN PARTICLE PHYSICS, ASTROPHYSICS, AND COSMOLOGY . SECOND EDITION Ta-Pei Cheng: Relativity, gravitation and cosmology M. Maggiore: A modern introduction to quantum field theory. 13. with emphasis on the basic parameters of the early universe, which are now. Buy Relativity, Gravitation and Cosmology: A Basic Introduction (Oxford Master Series in Physics) by Ta-Pei Cheng (2010-01-11) by (ISBN:) from Amazon's Relativity, Gravitation and Cosmology has 19 ratings and 2 reviews. Huyen said: It has always bugged me that I don't actually have a favourite physics post - relativity is introduced in this advanced undergraduate and beginning graduate level textbook. Published February 17th 2005 by Oxford University

Press, USA (first - Buy Relativity, Gravitation and Cosmology: A Basic Introduction (Oxford Master Series in Physics) book online at best prices in India on Amazon.in. Encuentra Relativity, Gravitation and Cosmology: A Basic Introduction (Oxford Master Series in Physics) de Ta-Pei Cheng (ISBN: 9780199573646) en Amazon. Relativity, Gravitation And Cosmology: A Basic Introduction (Oxford Master Series in Physics) Ta-Pei Cheng ISBN: 9780199573646 Kostenloser Versand für: Relativity, Gravitation and Cosmology: A Basic Introduction (Oxford Master Series in Physics) (9780199573646) by Ta-Pei Cheng and a great Buy Relativity, Gravitation and Cosmology: A Basic Introduction (Oxford Master Series in Physics) 2nd edition by Cheng, Ta-Pei (2010) Paperback by (ISBN:) Buy Relativity, Gravitation and Cosmology: A Basic Introduction (Oxford Master Series in Physics) on ? FREE SHIPPING on qualified orders. OXFORD MASTER SERIES IN PARTICLE PHYSICS, ASTROPHYSICS, AND COSMOLOGY Relativity, gravitation, and cosmology: a basic introduction /.: Relativity, Gravitation, and Cosmology: A Basic Introduction (Oxford Master Series in Physics) (9780198529569) by Ta-Pei Cheng and a great Relativity, Gravitation and Cosmology: A Basic Introduction (Oxford Master Series in Physics) 2nd (second) Edition by Cheng, Ta-Pei published by Oxford Compare cheapest textbook prices for Relativity, Gravitation and Cosmology: A Basic Introduction (Oxford Master Series in Physics), Ta-Pei Cheng: Relativity, Gravitation, and Cosmology: A Basic Introduction (Oxford Master Series in Particle Physics, Astrophysics, and): An unmarked copy. Relativity, Gravitation and Cosmology. A Basic Introduction. Second Edition. Ta-Pei Cheng. Oxford Master Series in Physics. Accessible Relativity, Gravitation, and Cosmology: A Basic Introduction (Oxford Master Series in Physics Presenting an introduction to Einsteins general theory of relativity, this work is useful for advanced undergraduate or beginning graduate courses.