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paperback. Book Condition: New. Ship out in 2 business day, And Fast shipping, Free Tracking number will be provided after the shipment. Pages Number: 177 Publisher: Peking University Pub. Date :2009-02-01 version 2. This book is a primer to learn general relativity. The book succinctly describes the basic theory of general relativity. general relativity and focused introduction to recent developments. This book is divided into eight chapters. including affine space tensor analysis. Riemannian geometry. relativistic theory of gravity. the theory of observations. spherically symmetric gravitational field. particle motion in the spherically symmetric field. black holes and Cosmology. This book can be used as various Department of Physics. Astronomy Department graduate students and high school textbooks. but also for readers interested in general relativity and related professional research officers. Contents: Introduction Chapter affine space tensor analysis 1.1 n-dimensional affine space tensor tensor symmetry 1.2 1.3 vector translation and affine 1.4 tensor covariant derivative 1.5 geodesic equation 1.6 Chapter Riemann curvature tensor (Riemann) geometry 2.1 Riemannian metric tensor space and tensor index 2.2 2.3 lift Christopher (Christoffel) contact 2.4 Riemann geodesic space in 2.5 Riemann curvature tensor of space 2.6 Bian Ji (Bianchi) identities 2.7 Lee (Lie) derivative of 2.8 and other metric mapping and Kalim (Killing) vector field relativistic gravity Chapter theory of 3.1 of gravitational mass and inertial mass equivalence principle of equivalence 3.2 3.3 geometric gravity. 3.4 a weak gravitational field of the free particle in 3.5 Einstein (Einstein) gravitational field equations of 3.6 field equations of Newtonian approximation 3.7 Harmonic coordinate conditions 3.8 Chapter IV gravitational wave observations concept of the theory of 4.1 4.2 as a scalar measurement of time interval measurement and the physical projection operator 4.3 4.4 four shaft coordinate system and the general concept of local measurement 4.5 two observers compare 4.6 of the measurement...



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