



## Fundamentals of Special and General Relativity

By K.D. Krori

PHI Learning, 2010. Softcover. Book Condition: New. First edition. Relativity, apart from quantum mechanics, is the greatest wonder in science, unfolded single-handedly in the 20th century by Albert Einstein. The scientist developed special relativity as a logical sequel to general relativity. This comprehensive book presents explication of the conceptual evolution and mathematical derivations of the theories of special and general relativity. The book follows an Einsteinian approach while explaining the concepts and the theories of relativity. Divided into 14 chapters, the book covers elementary concepts of Special relativity, as well as the advanced studies on General relativity. The recent theories like Kerr geometry, Sagnac effect, Vaidya geometry, Raychaudhuri equation and Gravitation physics vis-à-vis Quantum physics are presented in easy-to-understand language and simple style. In addition to it, the book gives an in-depth analysis on the applications of advanced theories like Vaidya-Krori-Barua solution from author's own research works. Apart from that, the book also discusses some of the isotropic and anisotropic cosmological models, in detail. Key Features : Step-by-step derivation of equations Easy demagogic approach Review questions to widen the analytical understanding of the students This book is intended for the undergraduate and postgraduate students of Physics and Mathematics. contents Preface...



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