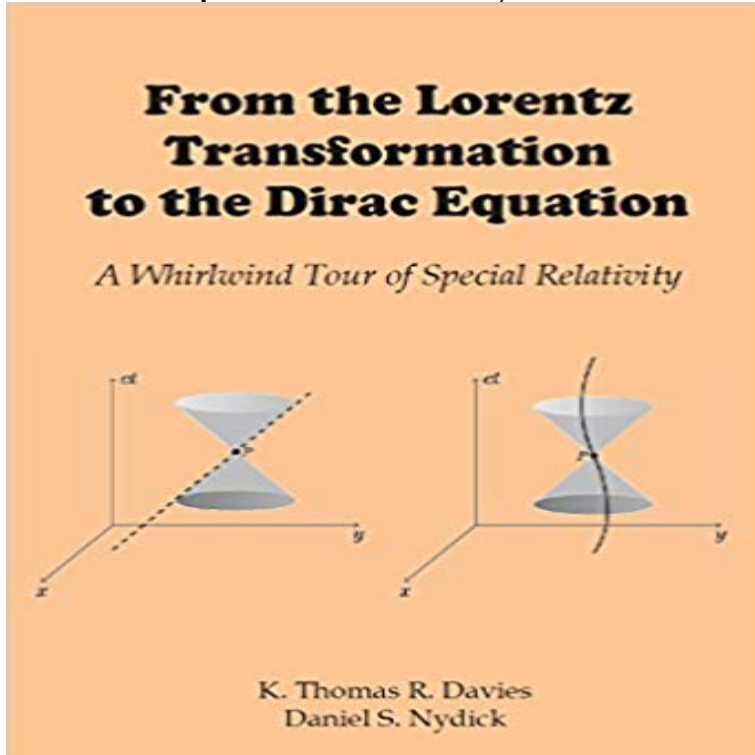


From the Lorentz Transformation to the Dirac Equation: A Whirlwind Tour of Special Relativity



This book on Special Relativity, with unique chapters on the Dirac equation and General Relativity, is especially suitable for a one-semester undergraduate physics course on Special Relativity (with perhaps some coverage of the qualitative features of General Relativity). It can also be used in a combination of undergraduate courses including modern physics, particle physics, optics, and Quantum Mechanics; or in classical mechanics at the physics graduate level. The book also includes coverage of the history of relativity, particularly with respect to developments in electricity and magnetism, particle physics, and cosmology.

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