

Download Relativistic Wave Mechanics

Relativistic Quantum Mechanics - Wave Equations concentrates mainly on the wave equations for spin-0 and spin-1/2 particles. The first chapter deals with the Klein-Gordon equation and its properties and applications. Relativistic mechanics, science concerned with the motion of bodies whose relative velocities approach the speed of light c , or whose kinetic energies are comparable with the product of their masses m and the square of the velocity of light, or mc^2 . In 1923, while still a graduate student at the University of Paris, Louis de Broglie published a brief note in the journal *Comptes rendus* containing an idea that was to revolutionize our understanding of the physical world at the most fundamental level. Forty years later, *Relativistic Quantum Mechanics* by Bjorken and Drell remains a classic for all those who want to introduce themselves into the basics of propagator theory.