



Physics at the Shallow End of the Pond: Newtonian Mechanics Revised, de-Constructing Einstein's Special Theory of Relativity, Scrapping the Doppler Effect, and a Revolutionary Broadcast Band Theory (Paperback)

By Joseph Sprouse

Dog Ear Publishing, United States, 2012. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.By the beginning of the twentieth century it was apparent that the force required to increase the speed of a beam of charged particles increases drastically as the speed of charged particles approach that of light- leading to the notion that either the charge decreases, or the mass increases with increasing speed. Einstein correctly concluded that it was neither. Instead he addressed the issue by replacing the classical kinetic energy of an object ($mv^2/2$) with a relativistic kinetic energy ($mc^2/(1 - v^2/c^2)^{1/2}$). Einstein's kinetic energy formulation does not reduce to the classical kinetic energy as the speed of the object approaches zero- a situation long ignored. There is, however, an alternative formulation, derivable directly from a slightly revised version of Newton's 2nd law, which provides a kinetic energy similar to that of Einstein, which reduces to the classical kinetic energy at ordinary speeds. Also, in this book, a broadside is leveled at the Lorentz transformation, and another salvo aimed at the entire spectrum of radiation- each of which is far more provocative than the...

Reviews

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