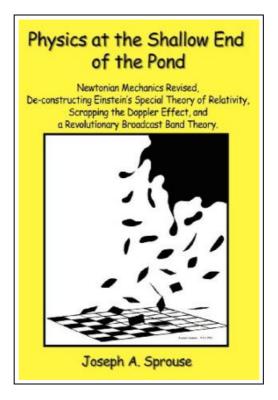
Physics at the Shallow End of the Pond: Newtonian Mechanics Revised, de-Constructing Einstein's Special Theory of Relativity, Scrappling the Doppler Effect, and a Revolutionary Broadcast Band Theory



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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 (mv2/2) with a relativistic kinetic energy (mc2/(1-2)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 introduction of a modified version of Newton s 2nd law of motion. New physics, as it should, begins with conceptualization, followed by mathematical formulation. Joseph Sprouse (b. Atlanta, GA), after a tour of duty with the United States Marine Corps, attended the University of Florida- receiving a B.S. in Physics in 1959 and a B.S. degree in Electrical Engineering in 1961. In 1967 he received a M.S. in Physics from the University of Tennessee, and continued his graduate studies at the University of Tennessee Space Institute. He worked as a senior aerospace research engineer at the Arnold Engineering Development Center...

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