

Abstract Submitted
for the APR09 Meeting of
The American Physical Society

An Extension of the Special Theory of Relativity J. CHAKRABARTY, Department of Mechanical Engineering, Florida State University, Tallahassee, FL-32310, B.C. SAHA, Department of Physics, Florida A&M University, FL-32307. — We report an extension of the Einstein's Special Theory of Relativity to handle the special cases in which the speed of the moving particle is comparable to or even exceeding the speed of light. Employing an apparent speed of light relative to the moving observer we propose an empirical relations that works pretty well. Details of our results will be presented at the conference. Supported by National Science Foundation, CREST Program.

Bidhan Saha
Department of Physics, Florida A&M University, Tallahassee, FL-32307

Date submitted: 29 Dec 2008

Electronic form version 1.4