

The relativistic-like Lagrangian : Multiplicative form

Wednesday, May 20, 2015 2:00 PM (15 minutes)

An alternative class of the Lagrangian called the multiplicative form is successfully derived. This new Lagrangian can be considered as a one parameter, namely the speed of light, extended class from the standard additive form of the Lagrangian since both yield the same Newtonian equation.

Author: SURAWUTTINACK, Kittikun (Department of Physics, Faculty of Science, King Mongkut's University of Technology Thonburi, Bangkok, Thailand 10140)

Co-authors: Dr TANASITTIKOSOL, Monsit (Department of Physics, Faculty of Science, King Mongkut's University of Technology Thonburi, Bangkok, Thailand 10140); Dr YOO-KONG, Sikarin (Department of Physics, Faculty of Science, King Mongkut's University of Technology Thonburi, Bangkok, Thailand 10140)

Presenter: SURAWUTTINACK, Kittikun (Department of Physics, Faculty of Science, King Mongkut's University of Technology Thonburi, Bangkok, Thailand 10140)

Session Classification: Statistical and Theoretical Physics

Track Classification: Statistical and Theoretical Physics