

Lagrangian structure for integrable systems

Rodica Cimpoiasu, Radu Constantinescu, Carmen Ionescu

*University of Craiova
13 A. I. Cuza, 1100 Craiova, Romania*

ABSTRACT

The paper presents a possible Lagrangian description of the integrability condition for the Hamiltonian systems. An algorithm allowing the attachment of a whole Lagrangean structure to a multihamiltonian system is presented.