ON GENERALIZED HAMILTONIAN SYSTEMS

程代展薛伟民廖立志蔡大用

摘要　　The purpose of this paper is to explore an extension of some fundamental properties of the Hamiltonian systems to a more general case. We first extend symplectic group to a general N- group, GN, and prove that it has certain similar properties.

关键词　　Hamiltonian systems, Hamiltoni

分类号

ON GENERALIZED HAMILTONIAN SYSTEMS

CHENG DAIZHAN

Institute of System Sciences, Academy of Mathematics and System Sciences, Chinese Academy of Sciences, Beijing 100080, China XUE WEWEIMIN , LIAO LIZHI

Abstract The purpose of this paper is to explore an extension of some fundamental properties of the Hamiltonian systems to a more general case. We first extend symplectic group to a general N- group, GN, and prove that it has certain similar properties.

Key words　Hamiltonian systems 　Hamiltonian control systems 　symplectic group 　symplectic algebras

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