

ON GENERALIZED HAMILTONIAN SYSTEMS

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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](#)

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ON GENERALIZED HAMILTONIAN SYSTEMS

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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 algebra](#)

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