

2006 Vol . 45 No. 5 pp. 799-801 DOI :

Integrable Coupling of KN Hierarchy and Its Hamiltonian Structure

GUO Fu-Kui and ZHANG Yu-Feng

Information School, Shandong University of Science and Technology, Qingdao 266510, China
(Received: 2005-8-22; Revised:)

Abstract: The Hamiltonian structure of the integrable couplings obtained by our method has not been solved. In this paper, the Hamiltonian structure of the KN hierarchy is obtained by making use of the quadratic-form identity.

PACS: 02.90.+p, 05.45.Yv

Key words: integrable coupling, KN hierarchy, Hamiltonian structure, quadratic identity

[\[Full text: PDF\]](#)

Close