THE INTEGRABILITY AND PARAMETRIC REPRESENTATION OF A HIERARCHY OF SOLITON EQUATIONS

张磊施齐焉

摘要　　The parametric representation for finite-band solutions of a stationary soliton equation is discussed. This parametric representation can be represented as a Hamiltonian system which is integrable in Liouville sense. The nonconfocal involutive in

关键词　　Soliton equation, Hamiltonian

分类号

THE INTEGRABILITY AND PARAMETRIC REPRESENTATION OF A HIERARCHY OF SOLITON EQUATIONS

ZHANG LEI

Department of Mathematics, Zhongshan University, Guangzhou 510275, China SHI QIYAN

Abstract The parametric representation for finite-band solutions of a stationary soliton equation is discussed. This parametric representation can be represented as a Hamiltonian system which is integrable in Liouville sense. The nonconfocal involutive in

Key words　　Soliton equation　　Hamiltonian system　　Liouvill integrable　　finite-band solution

DOI:

通讯作者