

Extended Camassa-Holm Hierarchy and Conserved Quantities

Rossen I. Ivanov*

School of Mathematics, Trinity College, Dublin 2, Ireland

Reprint requests to Dr. R. I. I.; Fax: + 353 - 1- 608 2282; E-mail: ivanovr@tcd.ie

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An extension of the Camassa-Holm hierarchy is constructed in this paper. The conserved quantities of the hierarchy are studied and a recurrent formula for the integrals of motion is derived. — PACS numbers: 02.30.Ik; 05.45.Yv; 45.20.Jj; 02.30.Jr.

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