

Conservation Laws of $K(m, n)$ and $mK(m, n)$ Equations

XIE Fu-Ding,^{1,2} GAO Xiao-Shan,¹ and LIU Feng¹

¹ Key Laboratory of Mathematics and Mechanization, Academy of Mathematics and System Sciences, the Chinese Academy of Sciences, Beijing 100080, China

² Department of Computer Science, Liaoning Normal University, Dalian 116029, China
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Abstract: Based on the rank analysis method, algorithmization idea, and symbolic computation, in this paper we have presented a method to construct the conservation laws for nonlinear evolution equations. The polynomial conservation laws for $K(n+2, n)$ equations and $mK(m, n)$ equations are found by using of this approach and some new results have been obtained.

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Key words: conservation law, $K(m, n)$ and $mK(m, n)$ equations, symbolic computation

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