

Exact Solutions to Maccari's System

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Abstract: Based on the generalized Riccati relation, an algebraic method to construct a series of exact solutions to nonlinear evolution equations is proposed. Being concise and straightforward, the method is applied to Maccari's system, and some exact solutions of the system are obtained. The method is of important significance in exploring exact solutions for other nonlinear evolution equations.

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Key words: generalized Riccati relation, Maccari's system, exact solution

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