

Generating Lie Point Symmetry Groups of (2+1)-Dimensional Broer-Kaup Equation via a Simple Direct Method

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(Received: 2004-8-30; Revised: 2004-11-3)

Abstract: Using the (2+1)-dimensional Broer-Kaup equation as an simple example, a new direct method is developed to find symmetry groups and symmetry algebras and then exact solutions of nonlinear mathematical physical equations.

PACS: 05.45.Yv

Key words: symmetry groups, CK direct method, exact solution, symmetries

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