

New Families of Exact Solutions for (2+1)-Dimensional Broer-Kaup System

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Abstract: Using a further modified extended tanh-function method, rich new families of the exact solutions for the (2+1)-dimensional Broer-Kaup (BK) system, comprising the non-traveling wave and coefficient functions' soliton-like solutions, singular soliton-like solutions, periodic form solutions, are obtained.

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Key words: further modified extended tanh-function method, (2+1)-dimensional Broer-Kaup (BK) system, soliton-like solutions, periodic form solution

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