CONSTRUCTING OF EXACT SOLUTIONS TO THE 
(2+1)-DIMENSIONAL BREAKING SOLITON EQUATIONS BY THE 
MULTIPLE \((G'/G)\)-EXPANSION METHOD

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Abstract. In this paper, the improved, generalized and extended version of the \((G'/G)\)-expansion method are introduced to construct more general exact traveling wave solutions to the \((2+1)\)-dimensional breaking soliton equations. The traveling wave solutions are expressed by the hyperbolic, trigonometric and rational functions. When the parameters set special values, new solitary, periodic and complex solutions are also derived from the traveling wave solutions. These methods are more effective and simple than other methods and a number of solutions can be obtained at the same time.

REFERENCES


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