

Mapping Methods to Solve a Modified Korteweg de Vries Type Equation

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Abstract : In this paper, we employ mapping methods to construct exact travelling wave solutions for a modified Korteweg-de Vries equation. We have derived periodic wave solutions in terms of Jacobi elliptic functions, kink solutions and singular wave solutions in terms of hyperbolic functions.

Keywords : travelling wave solutions, Jacobi elliptic functions, solitary wave solutions, Korteweg-de Vries equation

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