عنوان مقاله:

Application of the modified Khater method for solving nonlinear evolution equations

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خلاصه مقاله:

In this paper, the modified Khater method is exerted for constructing more general exact solution of the three nonlinear evolution equation with physical interest namely, the Dodd- Bullough-Mikhailor equation. By using of an appropriate traveling wave transformation reduces these equations to ODE. We state that this method is excellently and a generalized form to obtain solitary wave solutions of the nonlinear evolution equations that are widely used in theoretical physics. The method appears to be easier and faster by means of symbolic computation system.

کلمات کلیدی:

Partial differential equation, Dodd-Bullough-Mikhailor equation, modified Khater method, Traveling wave solutions

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