



THE MODIFIED EXTENDED tanh METHOD AND ITS APPLICATIONS TO NONLINEAR EQUATIONS

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Abstract

The modified extended tanh method is one of the most direct and effective algebraic method for obtaining exact solutions of nonlinear partial differential equations. The method can be applied to nonintegrable equations as well as to integrable ones. In this paper, the modified extended tanh-function is used to construct exact solutions of the modified improved Boussinesq equation and generalization of the Korteweg-de Vries equation.

Keywords and phrases: modified extended tanh method, Riccati equation, modified improved Boussinesq equation, generalization of the Korteweg-de Vries equation.

