## The Modified (G'/G)-Expansion Method for Nonlinear Evolution Equations

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A modified (G'/G)-expansion method is proposed to construct exact solutions of nonlinear evolution equations. To illustrate the validity and advantages of the method, the (3+1)-dimensional potential Yu-Toda-Sasa-Fukuyama (YTSF) equation is considered and more general travelling wave solutions are obtained. Some of the obtained solutions, namely hyperbolic function solutions, trigonometric function solutions, and rational solutions contain an explicit linear function of the variables in the considered equation. It is shown that the proposed method provides a more powerful mathematical tool for solving nonlinear evolution equations in mathematical physics.

*Key words:* Nonlinear Evolution Equations; Modified (G'/G)-Expansion Method; Hyperbolic Function Solutions; Trigonometric Function Solutions; Rational Solutions.