The Variational Iteration Method for Finding Exact Solution of Nonlinear Gas Dynamics Equations

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Z. Naturforsch. 66a, 161 – 164 (2011); received April 6, 2010 / revised September 8, 2010

The variational iteration method (VIM) proposed by Ji-Huan He is a new analytical method to solve nonlinear equations. In this paper, a modified VIM is introduced to accelerate the convergence of VIM and it is applied for finding exact analytical solutions of nonlinear gas dynamics equation.

Key words: Variational Iteration Method; Gas Dynamics Equation; Analytical Solution; Nonlinear Equations.
MSCS numbers: 65M99, 35A15, 35K57