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Abstract: To obtain the exact solution of the Fisher Type equation, the Variational Iteration Method (VIM) and the Homotopy Perturbation Method (HPM) are used. Obtained results by using the methods are numerically compared to present accuracy of the algorithms in solving the equation. The results prove that the methods are effective and powerful algorithm in order to solve the Fisher type equation as a non-linear differential equation.

Keyword: Fisher Type equation, Variational Iteration Method, Homotopy Perturbation Method, Nonlinear Differential Equations

References


