Variational Iteration Method for the Hirota-Satsuma Model Using He’s Polynomials

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This paper outlines the implementation of the variational iteration method using He’s polynomials (VMHP) for solving the Hirota-Satsuma model which occurs quite often in applied sciences. Numerical results show that the proposed VIMHP is quite efficient.

Key words: Variational Iteration Method; He’s Polynomials; Hirota-Satsuma Coupled KdV Systems.