

Variational Iteration Method for Delay Differential Equations Using He's Polynomials

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In this paper, we apply the variational iteration method using He's polynomials (VIMHP) for solving delay differential equations which are otherwise too difficult to solve. These equations arise very frequently in signal processing, digital images, physics, and applied sciences. Numerical results reveal the complete reliability and efficiency of the proposed combination.

Key words: Variational Iteration Method; He's Polynomials; Delay Differential Equations;
Exact Solutions.