

# The Variational Iteration Method for a Class of Eighth-Order Boundary-Value Differential Equations

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The variational iteration method, a well-known method for solving functional equations, is employed to solve a class of eighth-order boundary-value problems, which govern scientific and engineering experimentations. Some special cases of the mentioned equations are solved as examples to illustrate the ability and reliability of the method. The results reveal that the method is very effective and convenient.

*Key words:* Variational Iteration Method; Eighth-Order Boundary-Value Problems.