Abstract

In the course of this paper, the Optimal Homotopy Asymptotic Method (OHAM) introduced by Marica is applied to solve linear and nonlinear boundary value problems both for fourth-order integro-differential equations. The following analysis is accompanied by numerical examples whose results show that the Optimal Homotopy Asymptotic Method is highly accurate, convenient and relatively efficient for solving fourth order integro-differential equations.

References

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Numerical Solution of Fourth Order Integro-differential Boundary Value Problems by Optimal Homotopy Asymptotic Method


Index Terms

Computer Science Applied Mathematics

Keywords