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Keywords

Modified Adomian decomposition method; Volterra-Fredholm integro-differential equation; existence and uniqueness results; approximate solution

Abstract

In this article, modified Adomian decomposition method is successfully applies to find the approximate so- lutions of Volterra-Fredholm integro-differential equations. Moreover, we prove the existence and unique- ness results and convergence of the solutions. Finally, an example is included to demonstrate the validity and applicability of the proposed technique

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