

Numerical treatment for Volterra integro-differential equations with time lag using $\mathfrak{S}$ -method

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Abstract: Volterra delay integro-differential equations are indispensable tools in modeling a variety of biological and physical phenomena. The $\mathfrak{S}$ -method is extended to solve Volterra delay integro-differential equations. We discuss the efficiency and stability of the method. The efficacy of the proposed method is illustrated by constructing some numerical examples.

References

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