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Multilinear Volterra Equation of the First Kind: Elements of the Theory and Numerical Methods

I. I. Ivanov [1], P. P. Petrov[2]

[1] Irkutsk State University, Irkutsk, Russian Federation
[2] Novosibirsk State Technical University, Novosibirsk, Russian Federation

Abstract. In this paper the author gives an overview of the recent results in the theory and numerical methods for solving multilinear Volterra integral equations of the rst kind...

Keywords: majorant equation, Lambert function, nonlinear integral inequalities, Sharp estimates, numerical methods.

1. Introduction

2. Speci city of multilinear Volterra equations of the rst kind

In (4) $N = 1; 2; 3$, we write the series

De nition *1.* The text of the de nition

x 123456789

Theorem *1.* The statement of the theorem

Proof. The text of the proof

□

Based on the theorem 1 we obtain

Theorem *2.* The statement of the theorem

Based on the theorem 2 we obtain

Theorem . The text of the unnumbered theorem

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