

On a problem for a delay differential equation

Narkesh Iskakova¹, Svetlana Temesheva², and Rosa Uteshova¹

¹Institute of Mathematics and Mathematical Modeling

²RSE Institute of Mathematics and Mathematical Modeling

June 16, 2022

Abstract

In this paper, we propose an algorithm for solving a two-point boundary-value problem for a linear differential equation with constant delay subject to a nonlinear boundary condition. We derive sufficient conditions for the convergence of the algorithm and for the existence of an isolated solution to the problem under study. A numerical example is provided.

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