MIXED PROBLEM FOR A DIFFERENTIAL EQUATION WITH INVOLUTION UNDER BOUNDARY CONDITIONS OF GENERAL FORM

Sadybekov M.A.[1], A.M.Sarsenbi[2]

[1]Institute of Mathematics, Informatics and Mechanics, Kazakhstan

[2]South-Kazakhstan State University by M.Auezov, Almaty, Kazakhstan

Abstract

To solve the mixed problem for a partial differential equation with involution and a symmetric potential there was found an explicit analytical representation by the Fourier method. The problem was considered under general boundary conditions with constant coefficients by a space variable. At the same we used the methods for avoiding the termwise differentiation of a functional series and applying the minimal conditions on initial data of the problem.

References

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