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ON ONE BOUNDARY VALUE PROBLEM FOR MODEL
EQUATION OF A MIXED TYPE

Abstract

The model equation of a mixed type is considered. For the first time the boundary condition when the linear combination of values to the solution on one characteristics with values of derivative to the solutions on other characteristics with variable coefficients is used. The uniqueness of the solution to the problem is based on the proved principle of extremum. Existence of the solution is proved by the method of singular integral equation.