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ON SOLUTION OF ONE BOUNDARY VALUE  
PROBLEM FOR THE MIXED TYPE EQUATION  
WITH TWO DEGENERATION LINES BY THE  
FINITE DIFFERENCES METHOD

**Abstract**

*Considered is a boundary value problem for a mixed type equation with two degeneration lines. Solution of the problem is brought to that of a boundary problem in the elliptic part of the domain under consideration, and the obtained problem is solved by the finite differences method. Proved are the existence of a unique solution and its convergence. The convergence rate of the difference problem is determined.*