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ON SOLUTION OF A MIXED PROBLEM FOR AN
EQUATION OF THE FOURTH ORDER WITH
DISCONTINUOUS COEFFICIENT

Abstract

It is known that the solution of mixed problem for parabolic equation in sense of G.E.Shilov doesn't always exist. In this paper there was considered a mixed problem and found a solution in the form of contour integral for parabolic equation in the sense of Q.E.Shilov in one interval and in the sense of I.Q.Petrovsky in the other one.