

Uniqueness of the solution of the Dirichlet problem for an n -dimensional pseudoparabolic equation

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Abstract

In an n -dimensional domain formed by the characteristic planes of an equation of order $2n$ with a double higher partial derivative, we derive sufficient conditions for the uniqueness of the solution of the Dirichlet problem. These conditions are written out in terms of the coefficients of the equation, and the argument is based on the method of a priori estimates. © 2012 Pleiades Publishing, Ltd.

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