On a characteristic problem for a third order pseudoparabolic equation

Maher A., Utkina Y.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

In this paper, we investigate the Goursat problem in the class $C^{2+1}(D) \cap C^{n+0}(D \cup P) \cap C^{0+0}(D \cup Q)$ for a third order pseudoparabolic equation. Some results are given concerning the existence and uniqueness for the solution of the suggested problem. © Shiraz University.

Keywords

The goursat problem, Third order pseudoparabolic equation