GLOBAL SMOOTH RESOLVABILITY FOR A MODEL EQUATIONS OF FLUID FLOW IN A PIPE

刘法贵

收稿日期　修回日期　网络版发布日期　接受日期

摘要　　In this article the author considers the Cauchy problem for a model equations of fluid flow in a pipe, and under certain hypotheses on the initial data, the global smooth resolvability and the blow-up phenomena are obtained.
关键词　　Global smooth resolvability,
分类号

GLOBAL SMOOTH RESOLVABILITY FOR A MODEL EQUATIONS OF FLUID FLOW IN A PIPE

LIU FAGUI

Institute of Mathematics, Fudan University, Shanghai 200433 and North China Institute of Water Conservancy and Hydroelectric Power, Zhengzhou 450045

Abstract In this article the author considers the Cauchy problem for a model equations of fluid flow in a pipe, and under certain hypotheses on the initial data, the global smooth resolvability and the blow-up phenomena are obtained.

Key words　Global smooth resolvability　equations for fluid flow　Cauchy problem

DOI:

通讯作者