

ON THE INVESTIGATION OF ONE NONCLASSICAL PROBLEM
FOR NAVIER-STOKES EQUATIONS

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Abstract

In the present paper initial boundary value problem with discrete-integral nonclassical initial condition for Navier-Stokes equations is investigated and is proved, that in suitable functional spaces the formulated problem is solvable.

Key words and phrases: Navier-Stokes equations, weak solutions.

AMS subject classification: 35Q30.