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MIXED PROBLEM FOR BOUSSINESKA
EQUATION IN A CYLINDRICAL DOMAIN AND
BEHAVIOR OF ITS SOLUTION AT $t \rightarrow +\infty$

Abstract

The existence and uniqueness of a mixed problem for Boussineska equation was proved in multidimensional cylindrical domain, convergence to zero of the solution of mixed problem for $t \rightarrow +\infty$ when the longitudinal dimension of cylinder is a unit was shown.