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ON ASYMPTOTICS OF SOLUTION OF THE BOUNDARY VALUE PROBLEM FOR SINGULARLY PERTURBED NONLINEAR PARABOLIC EQUATION WITH CORNER PARABOLIC BOUNDARY LAYER

Abstract

In corner point domain we consider the boundary value problem for a second order nonlinear parabolic equation containing a small parameter at higher derivatives. Asymptotic expansion of generalized solution of the considered problem is constucted to within any power of small parameter with corner parabolic boundary layer, and residual term is estimated.