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**ON THE SOLVABILITY OF THE HIGHER ORDER NONLINEAR
PARABOLIC PROBLEM**

Abstract

The investigation of different high order nonlinear problems have been the subject of a rather large number of papers (see [1], [2], [3,4]). In this article we consider one class of parabolic equations, which have strong nonlinearity. Here high order derivatives are contained in equation as some linear differential expression. It creates many difficulties in their investigation. By proving the theorem of solvability we use successive application of elliptic regularization, substitution of principal space and pseudomonotones method.