

Investigation and numerical solution of one nonlinear diffusion system

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The behavior, as time variable tends to infinity, of a solution of the initial-boundary problem of one nonlinear diffusion system [1,2] is considered. The issue of linear stability of the stationary solution of the system and the possibility of the Hopf-type bifurcation is investigated. The difference scheme is constructed. The numerical experiments and analysis of obtained results are carried out.

ლიტერატურა

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