论文

STABILITY OF STEADY-STATE SOLUTIONS OF THE COMPETITION MODEL IN THE CHEMOSTAT

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摘要   By means of the perturbation theorem of simple eigenvalue of linear operator and the stability theorem of bifurcation solutions, we discuss one of the open questions pointed out in [1], and prove that the coexisting steady-state solutions obtained in [1] are stable under suitable conditions.

关键词   linear stability, steady-state solutions

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Abstract By means of the perturbation theorem of simple eigenvalue of linear operator and the stability theorem of bifurcation solutions, we discuss one of the open questions pointed out in [1], and prove that the coexisting steady-state solutions obtained in [1] are stable under suitable conditions.

Key words   linear stability   steady-state solutions   bifurcation solutions   i-simple eigenvalue   principal eige

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