

论文

DYNAMICAL BEHAVIORS OF A FOUR-DIMENSIONAL SYSTEM IN INFECTIOUS DISEASE

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收稿日期 修回日期 网络版发布日期 接受日期

摘要 In this paper a mathematical model of a four-dimensional system in infectious disease with 16 parameters is investigated, the bifurcation of equilibria depending on one parameter is given, and the conditions of local stability of equilibria and the existence of Hopf bifurcation are studied.

关键词 [Equilibria bifurcation](#), [Hopf bifurcation](#)

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Key words [Equilibria bifurcation](#) [Hopf bifurcation](#) [four-dimensional infectious disease System](#)

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