

论文

ASYMPTOTIC BEHAVIOR OF NONAUTONOMOUS DIFFUSIVE LOTKA-VOLTERRA MODEL

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摘要 The purpose of this paper is to investigate the asymptotic behavior of a predator-prey model. The model is composed of two patches. The system has two species: one can diffuse between the two patches, but the other is confined to one of the patches and cannot diffuse. It is proved that the system is globally stable under appropriate conditions.

关键词 [Diffusion rate, ultimately bounded domain](#)

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Key words [Diffusion rate](#) [ultimately bounded domain](#) [global stability](#)

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