

论文

THE POPULATION DYNAMICS WITH N-INTERSECTIONS

GUO Baozhu

Department of Applied Mathematics, Beijing Institute of Technology, Beijing 100081, China

收稿日期 修回日期 网络版发布日期 接受日期

摘要 In this paper, we consider a closed Population system with n-intersections. It is proved that there exists a critical fertility distribution which leads to the stable population state. The existence and uniqueness of the solution of a nonlinear system with logistic term are proved.

关键词 [population dynamics, stable population.](#)

分类号

THE POPULATION DYNAMICS WITH N-INTERSECTIONS

GUO Baozhu

Department of Applied Mathematics, Beijing Institute of Technology, Beijing 100081, China

Abstract In this paper, we consider a closed Population system with n-intersections. It is proved that there exists a critical fertility distribution which leads to the stable population state. The existence and uniqueness of the solution of a nonlinear system with logistic term are proved.

Key words [population dynamics](#) [stable population](#) [logistic model](#)

DOI:

通讯作者

扩展功能

本文信息

▶ [Supporting info](#)

▶ [PDF\(0KB\)](#)

▶ [\[HTML全文\]\(0KB\)](#)

▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [复制索引](#)

▶ [Email Alert](#)

▶ [文章反馈](#)

▶ [浏览反馈信息](#)

相关信息

▶ 本刊中 包含 “[population dynamics, stable population,](#)”的 [相关文章](#)

▶ 本文作者相关文章

· [GUO Baozhu](#)