

拓扑线性空间中的Drop定理与Drop性质

贺飞

呼和浩特内蒙古大学理工学院数学系

收稿日期 2006-12-15 修回日期 网络版发布日期 2008-3-11 接受日期 2007-07-25

摘要 给出了拓扑线性空间中的一个Drop定理. 利用此Drop定理, 证明了拓扑线性空间中的每个序列紧凸集具有Drop性质; 每个可数紧闭凸集具有拟Drop性质. 而且给出了拓扑线性空间中Drop性质和拟Drop性质的序列流特征. 也讨论了Drop性质和拟Drop性质与泛函取极值之间的联系.

关键词 [拓扑线性空间](#) [Drop定理](#) [Drop性质](#)

分类号 [46A55](#)

Drop Theorem and Drop Property in Topological Linear Spaces

Fei HE

Department of Mathematics, College of Sciences and Technology

Abstract In this paper, Drop theorem in topological linear spaces is established. From this, we obtained that every sequentially compact convex set in topological linear spaces has the Drop property; every countably compact closed convex set in topological linear spaces has the quasi-Drop property. And we give the streaming sequence characterizations of the Drop property and quasi-Drop property in topological linear spaces. We also investigate the relationship between the Drop property and the quasi-Drop property and the problem concerning some class of functions attaining the extreme values.

Key words [topological linear spaces](#) [Drop theorem](#) [Drop property](#)

DOI:

通讯作者 贺飞 wm910@163.com, hefei611@gmail.com

扩展功能

本文信息

- ▶ [Supporting info](#)
- ▶ [PDF\(392KB\)](#)
- ▶ [\[HTML全文\]\(0KB\)](#)
- ▶ [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“拓扑线性空间”的相关文章](#)
- ▶ 本文作者相关文章
- [贺飞](#)