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非紧超凸空间的Browder不动点定理及其应用

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Browder Fixed Point Theorem in Noncompact Spaces and Their Applications

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全文: PDF (2108 KB) HTML (1 KB) 输出: BibTeX | EndNote (RIS) 背景资料

摘要 在非紧超凸度量空间中的非紧允许集上, 改进并推广了Browder 不动点定理, 讨论了Ky Fan极大极小不等式. 在应用中, 给出了2个新的非合作n-人对策的Nash平衡存在定理.

关键词: 超凸度量空间 Browder不动点定理 允许集 非紧性测度 Ky Fan极大极小不等式 Nash平衡

Abstract: In the noncompact admissible subsets of noncompact hyperconvex metric spaces, Browder fixed point theorem is improved and generalized and Ky Fan minimax inequality is studied. As to application, two new existence theorems of Nash equilibrium of the non-cooperative n-person game are given.

Key words: hyperconvex metric space Browder fixed point theorem admissible set noncompact measure Ky Fan minimax inequality Nash equilibrium

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引用本文:

文开庭. 非紧超凸空间的Browder不动点定理及其应用[J]. 吉首大学学报自然科学版, 2004, 25(3): 68-71.

WEN Kai-Ting. Browder Fixed Point Theorem in Noncompact Spaces and Their Applications[J]. Journal of Jishou University (Natural Sciences Edit, 2004, 25 (3): 68-71.

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