



## 参数字典序向量平衡问题的下半连续性

方志苗<sup>1</sup>, 张宇<sup>2</sup>, 陈桃<sup>3</sup>

1. 重庆警察学院~~基础教研部, 重庆 401331; 2.  
重庆大学~~数学与统计学院, 重庆 401331;  
3. 云南广播电视大学~~开放教育学院, 云南~~昆明 650223

## Lower semicontinuity to parametric lexicographic vector equilibrium problems

FANG Zhi-miao<sup>1</sup>, ZHANG Yu<sup>2</sup>, CHEN Tao<sup>3</sup>

1. Department of Basic Courses, Chongqing Police College, Chongqing 401331, China;  
2. College of Mathematics and Statistics, Chongqing University, Chongqing 401331, China;  
3. Open Education Institute, Yunnan Radio and TV University, Kunming 650223, China

- 摘要
- 参考文献
- 相关文章

全文: [PDF \(280 KB\)](#) [HTML \(1 KB\)](#) 输出: [BibTeX](#) | [EndNote \(RIS\)](#) [背景资料](#)

摘要 首先介绍由字典锥所构造的参数向量平衡问题. 进而, 基于稠密性结果, 通过构造一个辅助问题的方法得到了参数字典序意义下向量平衡问题解集映射的下半连续性.

关键词: [字典序向量平衡问题](#) [下半连续](#) [字典锥](#)

Abstract: In this paper, a parametric vector equilibrium problem in a lexicographic order was first introduced. Then, by using an auxiliary problem, the lower semicontinuity of the solution set map was established based on the density of the solution set mapping for a parametric lexicographic vector equilibrium problem.

Key words: [lexicographic vector equilibrium problem](#) [lower semicontinuity](#) [lexicographic cone](#)

收稿日期: 2012-03-01; 出版日期: 2013-03-25

引用本文:

. 参数字典序向量平衡问题的下半连续性[J]. 华东师范大学学报(自然科学版), 2013, 2013(2): 131-135, 145.


. Lower semicontinuity to parametric lexicographic vector equilibrium problems[J]. Journal of East China Normal University(Natural Sc, 2013, 2013(2): 131-135, 145.

- [1] {1}
- [2] ANH L Q, KHANH P Q. Semicontinuity of the solution set of parametric multivalued vector quasiequilibrium problems[J]. Journal of Mathematical Analysis and Applications, 2004, 294: 699-711.
- [3] {2}
- [4] CHEN C R, LI S J. On the solution continuity of parametric generalized systems[J]. Pacific Journal of Optimization, 2010, 6: 1-151.
- [5] {3}

服务

- ▶ 把本文推荐给朋友
- ▶ 加入我的书架
- ▶ 加入引用管理器
- ▶ E-mail Alert
- ▶ RSS

作者相关文章

- [10] CHEN C R, LI S J, TEO K L. Solution semicontinuity of parametric  
[11] generalized vector equilibrium problems[J]. Journal of Global  
[12] Optimization, 2009, 45: 309-318.
- [13] {4}
- [14] ANH L Q, KHANH P Q. Continuity of solution maps of parametric  
[15] quasiequilibrium problems[J]. Journal of Global Optimization, 2010,  
[16] : 247-259.
- [17] {5}
- [18] BIANCHI M, KONNOV I V, PINI R. Lexicographic and sequential  
[19] equilibrium problems[J]. Journal of Global Optimization, 2010, 46:  
[20] 1-560.
- [21] {6}
- [22] BIANCHI M, KONNOV I V, PINI R. Lexicographic variational  
[23] inequalities with applications[J]. Optimization, 2006, 56: 355-367.
- [24] {7}
- [25] ANH L Q, KHANH P Q. Semicontinuity of solution sets to parametric  
[26] quasivariational inclusions with applications to traffic networks I:  
[27] upper semicontinuities[J]. Set-Valued Analysis, 2008, 16: 267-279. 
- [28] {8}
- [29] LI S J, FANG Z M. Lower semicontinuity of the solution mappings to a  
[30] parametric generalized Ky Fan inequality[J]. Journal of Optimization  
[31] Theory and Applications, 2010, 147: 507-515.
- [32] {9}
- [33] GONG X H, YAO J C. Lower semicontinuity of the set of efficient  
[34] solutions for generalized systems[J]. Journal of Optimization Theory  
[35] and Applications, 2008, 138: 197-205.
- [36] {10}
- [37] AUBIN J P, EKELAND I. Applied Nonlinear Analysis[M]. New York:  
[38] Wiley, 1984.
- [39] {11}
- [40] FERRO F. A minimax theorem for vector-valued functions[J]. Journal  
[41] of Optimization Theory and Applications, 1989, 60: 19-31.

没有找到本文相关文献

版权所有 © 2011 《华东师范大学学报(自然科学版)》编辑部  
本系统由北京玛格泰克科技发展有限公司设计开发 技术支持: support@magtech.com.cn