

Original Articles

## A Class of Cone Bounded Quasiconvex Mappings in Topological Vector Spaces

Yu Da HU(1), Ling CHEN(2)

(1)School of Mathematics and Information Science, Wenzhou University;(2)Department of Applied Mathematics, Shanghai Jiaotong University

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**摘要** Within the context of cone-ordered topological vector spaces, this paper introduces the concepts of cone bounded point and cone bounded set for vector set. With their aid, a class of new cone quasiconvex mappings in topological vector spaces is defined, and their fundamental properties are presented. The relationships between the cone bounded quasiconvex mapping defined in this paper and cone convex mapping, and other known cone quasiconvex mapping are also discussed.

**关键词** [cone convexity](#) [cone quasiconvexity](#)

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**Key words** [cone convexity](#) [cone quasiconvexity](#)

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通讯作者 Yu Da HU [linghzWhzcnc.com](mailto:linghzWhzcnc.com)(2)

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