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Fixed points of hemi-convex multifunctions

(2011) *Topological Methods in Nonlinear Analysis*, 37 (2), pp. 383-389.

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Abstract

The notion of hemi-convex multifunctions is introduced. It is shown that each convex multifunction is hemi-convex, but the converse is not true. Some fixed point results for hemi-convex multifunctions are also proved. © 2011 Juliusz Schauder Center for Nonlinear Studies.

Author Keywords

Convex multifunction; Fixed point; Hemi-convex multifunction

Document Type: Article

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