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Fixed points of hemi-convex multifunctions. (English) Zbl 05976873

[Topol. Methods Nonlinear Anal.](#) **37**, No. 2, 383-389 (2011).

Summary: 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.

MSC:

[47H04](#) Set-valued operators

[47H10](#) Fixed-point theorems

Keywords:

[hemi-convex multifunctions](#); [fixed points](#)