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Fixed point results for multimaps in CAT(0) spaces

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Abstract

Common fixed point results for families of single-valued nonexpansive or quasi-nonexpansive mappings and multivalued upper semicontinuous, almost lower semicontinuous or nonexpansive mappings are proved either in CAT(0) spaces or R-trees. It is also shown that the fixed point set of quasi-nonexpansive self-mapping of a nonempty closed convex subset of a CAT(0) space is always nonempty closed and convex. © 2008 Elsevier B.V. All rights reserved.

Author Keywords

Almost lower semicontinuous; CAT(0) spaces; Fixed point; Nonexpansive mapping; R-tree; Upper semicontinuous

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