

One step iteration scheme for multivalued mappings in CAT(0) spaces

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Abstract: In this paper, we introduce one step iteration scheme involving two multivalued nonexpansive mappings in CAT(0) spaces and utilize the same to prove Δ -convergence as well as strong convergence theorems with and without end point conditions. Our results generalize and extend several relevant results in the literature.

Keywords: CAT(0) space, fixed point, Δ -convergence and Opial's property.

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