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Convergence of approximating fixed points sets for multivalued nonexpansive mappings

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Abstract: Let K be a closed convex subset of a Hilbert space H and $T : K \multimap K$ a nonexpansive multivalued map with a unique fixed point z such that $\{z\} = T(z)$. It is shown that we can construct a sequence of approximating fixed points sets converging in the sense of Mosco to z.

Keywords: multivalued nonexpansive map, fixed points set, Mosco convergence
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