Tsar'kov, I. G.
Properties of monotone connected sets. (English. Russian original) [Zbl 07369757]

Summary: Properties of Menger-monotone sets are studied. It is proved that all boundedly weakly compact Menger-connected \((\omega \ni n)\)-approximatively compact sets are suns. The existence of a continuous selection of the Chebyshev near-center map (relative to \(V\)) is proved for the case in which \(V \subset C(Q)\) is a \(B^2\)-infinitely connected set in the space \(C(Q)\).

MSC:
46B20  Geometry and structure of normed linear spaces
41A50  Best approximation, Chebyshev systems
41A65  Abstract approximation theory (approximation in normed linear spaces and other abstract spaces)

Keywords:
Menger-monotone set; Menger-connected set; sun

Full Text: DOI

References:


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