

SEMIFIXED SETS OF MAPS AND RÅDSTRÖM EMBEDDING IN LOCALLY CONVEX TOPOLOGICAL LINEAR SPACES

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Abstract. In the space of the compact convex subsets of a locally convex topological linear space some results concerning the existence of fixed and semifixed sets for singlevalued and multivalued maps are established. The approach is based on a suitable version of the classical embedding construction of Radstrom.

Key Words and Phrases: Multivalued map, fixed set, semifixed set, upper semicontinuous, compact convex set, locally convex topological linear space, Radstrom embedding.

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