Mathematics > General Topology

Convex hyperspaces of probability measures and extensors in the asymptotic category

Dušan Repovš, Mykhailo Zarichnyi

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The objects of the Dranishnikov asymptotic category are proper metric spaces and the morphisms are asymptotically Lipschitz maps. In this paper we provide an example of an asymptotically zero-dimensional space (in the sense of Gromov) whose space of compact convex subsets of probability measures is not an absolute extensor in the asymptotic category in the sense of Dranishnikov.

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