

Skeletally Dugundji spaces

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We introduce and investigate the class of skeletally Dugundji spaces as a skeletal analogue of Dugundji space. The main result states that the following conditions are equivalent for a given space X : (i) X is skeletally Dugundji; (ii) Every compactification of X is co-absolute to a Dugundji space; (iii) Every C^* -embedding of the absolute $p(X)$ in another space is strongly π -regular; (iv) X has a multiplicative lattice in the sense of Shchepin [Sch76] consisting of skeletal maps.

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