

CHARACTERIZATION OF COMPLETE MAPPINGS BY MEANS OF MORPHISMS INTO ZERO-DIMENSIONAL MAPPINGS

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In this article, as in the case of Π -complete spaces, in particular, superparacompact and bicomact spaces, we prove that all components of tubularly (weakly) Π -complete mappings (in particular, of (weakly) Π -complete and superparacompact mappings) coincide with their quasicomponents, are compact, and each of their neighborhoods includes a clopen neighborhood. We also give characterizations of tubularly (weakly) Π -complete mappings by using morphisms and embeddings.

Furthermore, we generalize the Shura-Bura lemma on the components of bicompacta to bicomact mappings.

Key words and phrases: tubularly Π -complete mapping, Π -complete mapping, morphism, embedding, quasicomponent, component.

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