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On function spaces related to $d$-spaces. (English)

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Summary: For certain property Re of topological $T_0$-spaces, we prove that if $T_0$-space $Y$ has property Re, then $[X,Y]$ endowed with the Isbell topology possesses Re for any $T_0$-space $X$; and if $[X,Y]$ has property Re for some non-empty space $X$, then so does $Y$.

MSC:

54-XX General topology
55-XX Algebraic topology
57-XX Manifolds and cell complexes

Keywords:

function spaces; $d$-space; injective spaces; $\Delta$-space

Full Text: DOI

References:


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