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Closed embeddings into Lipscomb's universal space

$J(\tau)$ be Lipscomb's one-dimensional space and $L_n(\tau) = \{x \in J(\tau)^{n+1} \mid$ at least one coordinate of x is irrational$\} \subseteq J(\tau)^{n+1}$ Lipscomb's n-dimensional universal space of weight $\tau \geq \aleph_0$. We prove that if X is a complete metrizable space and $\dim X \leq n$, $wX \leq \tau$, then there is a closed embedding of X into $L_n(\tau)$. Furthermore, any map $f\colon X \to J(\tau)^{n+1}$ can be approximated arbitrarily close by a closed embedding $\psi\colon X \to L_n(\tau)$. Also, relative and pointed versions are obtained. In the separable case an analogous result is obtained, in which the classic triangular Sierpiński curve (homeomorphic to $J(3)$) is used instead of $J(\aleph_0)$.

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