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Colocally connected, aposyndetic and Kelley continua as $F_{\sigma\delta}$ -absorbers

Paweł Krupski (Mathematical Institute, University of Wrocław, Poland)
Pawel.Krupski@math.uni.wroc.pl

Abstract: H. Gladdines and J. van Mill showed in 1993 that the family of all Peano subcontinua of the cube $[0, 1]^n$, $n \geq 3$, is an $F_{\sigma\delta}$ -absorber in the hyperspace $C(I^n)$. A similar result can be proved for the families of nondegenerate colocally connected continua, aposyndetic continua and of at least two-dimensional or decomposable Kelley continua. It follows that all these families are homeomorphic to the space $\widehat{c}_0 = \{(x_i) \in I^\omega : \lim_i x_i = 0\}$.