

Non-cut ordered arcs of the hyperspace of subcontinua

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Let $C(X)$ be the hyperspace of all subcontinua of a continuum X topologized by Hausdorff metric. For a non-empty closed subset A of a continuum X , consider the following properties: A is non-block subset, weak non-block subset, and non-cut subset of X . In this talk, we present some conditions under which an ordered arc from a singleton to a proper subcontinuum of a continuum X has one of these properties in $C(X)$.

(joint work with José G. Anaya)