COMBINATORIAL PROPERTIES FOR FAMILIES OF $H$-CONVEX SETS

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Abstract. Intersection results for families of $H$-convex sets in $H$-spaces are given. These extend known results concerning families of convex sets in topological vector spaces, such as the Berge-Klee intersection theorem and a previous result of the author.

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Key words. KKM principle, $H$-space, $H$-convex set, Berge-Klee intersection theorem, Fan’s matching theorem.

REFERENCES


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