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.

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