

# Pseudocompact MAD families under weaker assumptions

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The question of whether there is a pseudocompact MAD family (a MAD family whose Vietoris hyperspace of its Mrówka-Isbell space is pseudocompact) has been asked in [4] and [3]. In this talk, we quickly motivate this problem and discuss recent advances that use the concept of “fin-intersecting almost disjoint families”, a new type of almost disjoint families introduced in [1]. After that, we discuss new results from [2], including the existence of pseudocompact MAD families under  $\mathfrak{ap} = \mathfrak{c}$  and  $\diamond(\mathfrak{b})$ .

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## References

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- [4] M. Hrušák. *Almost disjoint families and topology*. In *Recent progress in General Topology III*, pages 601-638. Springer, 2014.

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