

Centro de Ciencias Matemáticas
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MAD families and ideals

If P is a property of MAD families, we say that MAD families with property P exist generically if every MAD family of size less than the continuum can be extended to a MAD family with property P . Our main focus is in destructibility of MAD families by forcing. For example, Cohen-indestructible families exists generically if and only if $\mathfrak{b} = \mathfrak{c}$. We isolate the invariants responsible for the generic existence of Sacks-indestructible and weakly tight families.