

Weakenings of normality and special sets of reals

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The existence of almost disjoint families whose Ψ -spaces have various weak forms of normality are considered. For example, an almost disjoint family A on ω is said to be strongly \aleph_0 separated if for any two disjoint countable subsets of A , there is a partition of ω separating them. In the case that A is a set of branches in $2^{<\omega}$, this property is characterized by a property of the corresponding subset of 2^ω that is weaker than the classical λ -set property.

This is part of joint work appearing in [1] and [2].

- [1] S. GARCIA-BALAN AND P. SZEPTYCKI, *Weak normality properties in Ψ -spaces*, *Fund. Math.*, 258 (2022), pp. 137–151.
- [2] V. DE OLIVEIRA RODRIGUES, V. DOS SANTOS RONCHIM, AND P. SZEPTYCKI, *Special sets of reals and weak forms of normality in Isbell–Mrówka spaces*, *Comm. Math. Univ. Car.*, to appear.