

Logic Seminar

Variations of the stick principle

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Abstract: The stick principle is a weakening of Jensen's diamond that asserts that there is a family of infinite subsets of ω_1 so that any uncountable subset of ω_1 has some member of the family as a subset. We will give a forcing construction to separate versions of the stick principle which put a bound on the order-type of the subsets in the family. Many open problems remain about the relationship between different variations of this principle, such as the existence of certain club-guessing sequences or Suslin trees, and we will describe some progress in this direction.

Tuesday, September 26 at 4:00 PM in SEO 427