

Logic Seminar

Combinatorial properties of generically stable measures.

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Abstract: We discuss combinatorial properties of generically stable Keisler measures in NIP theories, concentrating on the improved regularity lemmas for definable (hyper-)graphs in this context. We give a model-theoretic version of the Lovasz-Szegedy result, generalizing the distal and the stable cases. These questions are closely related to the existence of "large" homogeneous subsets (in various senses), and we give some partial results and counterexamples, in the o-minimal case and in the p-adics. Joint work with Sergei Starchenko.

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