

## Logic Seminar

### *Ramsey-type theorems in certain NIP theories*

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**Abstract:** In the paper "Crossing patterns of semi-algebraic sets" (J. Combin. Theory Ser. A 111, 2005) Alon et al. showed that families of graphs with the edge relation given by a semialgebraic relation of bounded complexity satisfy a stronger regularity property than arbitrary graphs. In this talk we show that this can be generalized to families of graphs whose edge relation is uniformly definable in a structure satisfying a certain model theoretic property called distality. This is a joint work with A. Chernikov.

Tuesday, April 14 at 4:00 PM in SEO 427