

Logic Seminar

Ramsey phenomena in ultraproducts of finite structures

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Abstract: In the past two decades there has been much investigation into structural Ramsey theory, that is, natural generalizations of the finite, and more recently infinite, Ramsey's theorem to finite/countable first order structures, such as graphs, hypergraphs, Boolean algebras, or vector spaces over finite fields. We investigate how the Ramsey phenomena transport from a countable class of finite structures to its ultraproducts. This is a joint work in progress with Mirna Džamonja, Rehana Patel, and Lynn Scow.

Tuesday, November 2 at 4:00 PM in 636 SEO