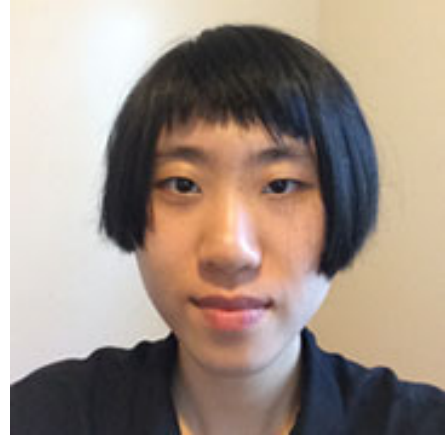


LOGIC SEMINAR

Guest Speaker: Yayi Fu
University of Notre Dame



Date: Wednesday, September 15, 2021

Time: 1:00 PM

Location: 258 Hurley Hall

Zoom URL:

Lecture Title:

VC minimal case of Erdos-Hajnal conjecture using δ -dimension

Abstract

Erdos-Hajnal conjecture says for any finite graph H there is $\epsilon > 0$ such that for all H -free graph G , G has a homogeneous set of size $|G|^\epsilon$. Malliaris and Shelah proved that Erdos-Hajnal conjecture holds for stable relations. Chernikov and Starchenko used δ -dimension (a pseudofinite dimension) to give a shorter proof for the stable relations. We will use δ -dimension to show that Erdos-Hajnal conjecture holds for VC minimal relations.