

Ramsey properties of randomly perturbed sets of integers and the asymmetric random Rado theorem

Yury Person

Technische Universität Ilmenau

yury.person@tu-ilmenau.de

Elad Aigner-Horev

Ariel University

horev@ariel.ac.il

We discuss some results in randomly perturbed sets of integers, i.e. sets of the form $A \cup [n]_p$, and thresholds for asymmetric Rado properties in $[n]_p$, which guarantee existence of monochromatic solutions to certain systems of linear equations.