

המחלקה למתמטיקה, בן-גוריון

קולוקוויום

ביום שלישי, 17 בנובמבר, 2015

בשעה 14:30 – 15:30

ב-101 Math

ההרצאה

The Danzer problem and a solution related to Gowers' problem

חינתן על-ידי

Yaar (Stony Brook University)

תקציר: Is there a point in a set S such that $|S \cap B(x, r)| \geq c$ for every $x \in S$ and $r > 0$? This is a special case of a more general problem posed by Danzer in 1965. In this talk, we will present two proofs of the answer to this question, one using dynamical systems and the other using combinatorics. We will also discuss some applications of this result to the study of Gowers' problem.

Barak and Solan Omri Weiss].