

# Recent progress on the Danzer problem

Barak Weiss (Tel-Aviv)

July 14, 2016

The Danzer problem the following long-standing open problem in discrete geometry: Does there exist a discrete set in the plane which intersects every convex set of area 1 and such that the number of points in a disk of radius  $T$  is  $O(T^2)$ ?

In recent work with Solan and Solomon we use dynamical techniques to settle a related question posed by Gowers.