

Additive Combinatorics
March 30 – April 12, 2006

Variants of the circle method after the work of Gowers

Trevor Wooley
`wooley@umich.edu`
Department of Mathematics
University of Michigan
525 E. University Ave.
Ann Arbor, MI 48109-1109
USA

Abstract

We discuss the impact of Gowers' work on the circle method and the Davenport–Heilbronn method for inequalities, with some applications. If time permits quantitative improvements will also be discussed.