Elementary methods in additive combinatorics

Jozsef Solymosi
solymosi@math.ubc.ca
Department of Mathematics
University of British Columbia
1984 Mathematics Road
Vancouver, BC V6T 1Z2
CANADA

Abstract

We present a subjective selection of problems from van der Waerden's theorem to multidimensional versions of Szemeredi's theorem to illustrate some basic combinatorial methods frequently used in this field.