Additive Combinatorics March 30 – April 12, 2006

2A and 3A

Imre Ruzsa ruzsa@renyi.hu Alfréd Rényi Institute of Mathematics Hungarian Academy of Sciences Reáltanoda u. 13-15 H-1053 Budapest HUNGARY

Abstract

How large can 3A be, if the cardinalities of A and 2A are known? How large can A + 2B be if A and A + B are known?