

## **abstract**

ARITHMETIC COMBINATORICS

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

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We shall discuss joint work with I Z Ruzsa in which it is shown that if  $A$  is a subset of  $\{1, \dots, N\}$  such that its difference set contains no number of the form  $p-1$  for  $p$  a prime, then  $|A| = O(N \exp(-c \sqrt{4} \{\log N\}))$  for some absolute  $c > 0$ .