Nathanson, Melvyn B.,

Sets with more sums than differences. (English) [Zbl 1107.11017]


The author studies sets of integers (or elements of an abelian group) with the property that the sumset $A + A$ contains more elements than the difference sets $A - A$. Examples of such sets and probabilistic existence proofs were known before. In this paper the author gives explicit constructions of families of such sets.

Reviewer: Christian Elsholtz (Surrey)

MSC:
11B75 Other combinatorial number theory

Keywords:
sumsets; difference sets

Full Text: arXiv EuDML