

Year: 2010

Vol.: 77

Fasc.: 3-4

Title: On the sumset of geometric progressions

Author(s): Attila Bérczes

The present paper gives a complete answer to the question of the cardinality of sumsets of finite geometric progressions with positive real quotient. The proof of the main result is based on theorems concerning irreducibility and GCD of trinomials and quadrinomials.

Address:

Attila Bérczes
Institute of Mathematics
University of Debrecen
Number Theory Research Group
Hungarian Academy of Sciences and
University of Debrecen
H-4010 Debrecen, P.O. Box 12
Hungary