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Ramsey theory of uncountable abelian groups

In the last two years, a number of Ramsey-theoretic results relating to the algebra of uncountable abelian groups have been investigated by diverse subsets of the set Komjáth, Rinot, D. Soukup, W. Weiss, myself (among others), especially relating to the set FS(X) of finite sums of a collection X of elements of the group. From Ramsey results (asserting the existence, for all colourings with a given number of colours, of monochromatic sets of the form FS(X) for some X of prescribed size) to anti-Ramsey statements (asserting the existence of "rainbow colourings" that force each sufficiently large set of the form FS(X) to be panchromatic), I plan to provide a panoramic overview of this exciting line of research, and point towards possible future lines of enquiry.