

**Publication list for Ben Green, October 3rd 2007.**

- [1] *The number of squares and  $B_h[g]$ -sets*, Acta Arithmetica **100** (2001) no. 4, 365–390.
- [2] *On arithmetic structures in dense sets of integers*, Duke Math. Jour. **114** (2002) no. 2, 215–238.
- [3] *Arithmetic progressions in sumsets*, GAFA **12** (2002) no. 3, 584–597.
- [4] *Some constructions in the inverse spectral theory of cyclic groups*, Comb. Prob. Comp. **12** (2003) no. 2, 127–138.
- [5] (with I. Z. Ruzsa) *Counting sumsets and sum-free sets modulo a prime*, Studia Sci. Math. Hungarica **41** (2004), no. 3, 285–293.
- [6] *The Cameron-Erdős Conjecture*, Bull. London Math. Soc. **36** (2004), no. 6, 769–778.
- [7] *Spectral structure of sets of integers*, (survey article, Milan 2001) in Fourier analysis and convexity, 83–96, Appl. Numer. Harmon. Anal., Birkhauser Boston, Boston, MA, 2004.
- [8] (with I. Z. Ruzsa) *On the Hardy-Littlewood majorant problem*, Math. Proc. Camb. Phil. Soc **137** (2004), no. 3, 511–517.
- [9] *Counting sets with small sumset, and the clique number of random Cayley graphs*, Combinatorica **25** (3) (2005), 307–326.
- [10] *A Szemerédi-type regularity lemma in abelian groups*, GAFA **15** (2005), no. 2, 340–376.
- [11] (with I. Z. Ruzsa) *Sum-free sets in abelian groups*, Israel J. Math **147** (2005), 157–189.
- [12] *Roth’s Theorem in the primes*, Annals of Math **161** (2005), no. 3, 1609–1636.
- [13] *Finite field models in additive combinatorics*, in Surveys in Combinatorics 2005, LMS Lecture Notes **327**, 1–27.
- [14] (with I. Z. Ruzsa) *Sets with small sumset and rectification*, Bull. London Math. Soc. **38** (2006), no. 1, 43–52.
- [15] (with T. C. Tao) *Restriction theory of the Selberg sieve, with applications*, J. Th. Nombres Bordeaux **18** (2006), 147–182.
- [16] (with T. C. Tao) *The primes contain arbitrarily long arithmetic progressions*, Annals of Math., to appear.
- [17] (with I. Z. Ruzsa) *Freiman’s theorem in an arbitrary abelian group*, J. London Math. Soc. **75** (2007), no. 1, 163–175.
- [18] (with T. C. Tao) *Compressions, convex geometry and the Freiman-Bilu theorem*, Quart. J. Math. **57** (2006), no. 4, 495–504.
- [19] *Generalising the Hardy-Littlewood method for primes*, 26pp, Proceedings of the ICM, Vol. II, Madrid 2006.

- [20] (with T. C. Tao) *An inverse theorem for the Gowers  $U^3$ -norm, with applications*, 72pp, to appear in Proc. Edinburgh Math. Soc.
- [21] *Long arithmetic progressions of primes*, 19pp, survey article, to appear in Proceedings of the Gauss-Dirichlet conference, Göttingen 2005.
- [22] (with T. C. Tao) *New bounds for Szemerédi's theorem, I: progressions of length four in finite field geometries*, 28pp, submitted.
- [23] (with S. V. Konyagin) *On the Littlewood problem modulo a prime*, 23pp, to appear in Canadian J. Math.
- [24] *Montréal lecture notes on quadratic Fourier analysis*, 34pp, to appear in Proceedings of the CRM-Clay Conference on Additive Combinatorics, Montréal 2006.
- [25] (with T. Sanders) *Boolean functions with small spectral norm*, 17pp, GAFA, to appear.
- [26] (with T. C. Tao) *Quadratic uniformity of the Möbius function*, 60pp, Annales de l'Institut Fourier (Grenoble), to appear.
- [27] (with T. C. Tao) *Linear equations in primes*, 83pp, Annals of Math., to appear.
- [28] (with T. C. Tao) *New bounds for Szemerédi's theorem, II: improved bounds for  $r_4(N)$* , 26pp, submitted.
- [29] (with T. Sanders) *A quantitative version of the idempotent theorem in harmonic analysis*, 27pp, Annals of Math., to appear.
- [30] (with T. C. Tao) *A note on the Freiman and Balog-Szemerédi-Gowers theorems in finite fields*, 12pp, submitted.
- [31] (with T. C. Tao) *Freiman's theorem in finite fields via extremal set theory*, 18pp, submitted.
- [32] (with T. C. Tao) *The quantitative behaviour of polynomial orbits on nilmanifolds*, 70pp, submitted.
- [33] (with O. Sisask) *On the maximal number of three-term arithmetic progressions in subsets of  $\mathbf{Z}/p\mathbf{Z}$* , 12 pp, submitted.
- [34] *Three topics in additive prime number theory*, 40pp, expository article submitted for Current Developments in Mathematics 2007.