

ALGEBRAIC AND ANALYTIC METHODS IN COMBINATORICS

MSRI/SLMath Workshop, March 17 to 21, 2025

- [1] I. BÁRÁNY, *Combinatorial convexity*, University Lecture Series **77**, American Mathematical Society, Providence, RI, 2021, ISBN 978-1-4704-6709-8. [MR](#) [Zbl](#)
- [2] I. BÁRÁNY, K. J. BÖRÖCZKY, G. FEJES TÓTH, J. PACH, and L. FEJES TÓTH (eds.), *Geometry—intuitive, discrete, and convex: A tribute to László Fejes Tóth*, Bolyai Society Mathematical Studies **24**, Springer, Cham, Switzerland, 2013, ISBN 978-963-9453-17-3; 978-3-642-41497-8. [MR](#) [Zbl](#)
- [3] P. BRASS, W. MOSER, and J. PACH, *Research problems in discrete geometry*, Springer, Cham, Switzerland, 2005, ISBN 978-0387-23815-8; 0-387-23815-8. [MR](#) [Zbl](#)
- [4] A. CZUMAJ, A. GEORGAKOPOULOS, D. KRÁL', V. LOZIN, and O. PIKHURKO (eds.), *Surveys in combinatorics 2015: Papers based on the lectures given at the 25th British Combinatorial Conference held at the University of Warwick, Coventry, July 2015*, London Mathematical Society Lecture Note Series **424**, Cambridge University Press, Cambridge, England, 2015, ISBN 978-1-107-46250-2. [MR](#) [Zbl](#)
- [5] J. E. GOODMAN, J. PACH, and R. POLLACK (eds.), *Surveys on discrete and computational geometry: Twenty years later*, Contemporary Mathematics **453**, American Mathematical Society, Providence, RI, 2008, ISBN 978-0-8218-4239-3. [MR](#) [Zbl](#)
- [6] J. E. GOODMAN, J. PACH, and E. WELZL (eds.), *Combinatorial and computational geometry*, Mathematical Sciences Research Institute Publications **52**, Cambridge University Press, Cambridge, England, 2005, ISBN 978-0-521-84862-6; 0-521-84862-8. [MR](#) [Zbl](#)
- [7] P. KEEVASH and R. MYCROFT, *A geometric theory for hypergraph matching*, Memoirs of the American Mathematical Society **233**:1098, American Mathematical Society, Providence, RI, 2015, ISBN 978-1-4704-0965-4. [MR](#) [Zbl](#)
- [8] J. PACH (ed.), *Towards a theory of geometric graphs*, Contemporary Mathematics **342**, American Mathematical Society, Providence, RI, 2004, ISBN 0-8218-3484-3. [MR](#) [Zbl](#)
- [9] J. PACH and P. K. AGARWAL, *Combinatorial geometry*, Wiley-Interscience Series in Discrete Mathematics and Optimization, Wiley, Hoboken, NJ, 1995, ISBN 0-471-58890-3. [MR](#) [Zbl](#)
- [10] J. PACH and M. SHARIR, *Combinatorial geometry and its algorithmic applications: The Alcalá lectures*, Mathematical Surveys and Monographs **152**, American Mathematical Society, Providence, RI, 2009, ISBN 978-0-8218-4691-9. [MR](#) [Zbl](#)
- [11] S. PELUSE, *Recent progress on bounds for sets with no three terms in arithmetic progression (after Bloom and Sisask, Croot, Lev, and Pach, and Ellenberg and Gijswijt)*, Astérisque **438**, pp. 547–581, Société Mathématique de France, Paris, France, 2022, Séminaire Bourbaki. Volume 2021/2022, Exposé 1196, ISBN 978-2-85629-968-5. [MR](#) [Zbl](#)
- [12] Y. ZHAO, *Graph theory and additive combinatorics: exploring structure and randomness*, Cambridge University Press, Cambridge, England, 2023, ISBN 978-1-109-31094-9. [MR](#) [Zbl](#)

Date: March 10, 2025.

Bibliography by Yufei Zhao.

<https://library.slmath.org/bib/2025/bib-aacomb.pdf>