

## POLYNOMIAL METHOD

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- [1] P. BRASS, W. MOSER, and J. PACH, *Research problems in discrete geometry*, Springer, New York, NY, 2005, ISBN 978-0387-23815-8; 0-387-23815-8. MR 2163782. Zbl 1086.52001. doi: 10.1007/0-387-29929-7.
- [2] D. EISENBUD and J. HARRIS, *The geometry of schemes*, Graduate Texts in Mathematics **197**, Springer, New York, NY, 2000, ISBN 0-387-98638-3; 0-387-98637-5. MR 1730819. Zbl 0960.14002. doi: 10.1007/b97680.
- [3] W. FULTON, *Intersection theory*, 2nd ed., Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge **2**, Springer, Berlin, 1998, ISBN 3-540-62046-X; 0-387-98549-2. MR 1644323. Zbl 0885.14002. doi: 10.1007/978-1-4612-1700-8.
- [4] J. E. GOODMAN, J. O’ROURKE, and C. D. TÓTH (eds.), *Handbook of discrete and computational geometry*, 3rd ed., Discrete Mathematics and its Applications, CRC Press, Boca Raton, FL, 2018, ISBN 978-1-4987-1139-5. MR 3793131. Zbl 1375.52001. <https://www.taylorfrancis.com/books/9781498711425>.
- [5] L. GUTH, *Polynomial methods in combinatorics*, University Lecture Series **64**, American Mathematical Society, Providence, RI, 2016, ISBN 978-1-4704-2890-7. MR 3495952. Zbl 1388.05003. doi: 10.1090/ulect/064.
- [6] J. HARRIS, *Algebraic geometry: a first course*, Graduate Texts in Mathematics **133**, Springer, New York, NY, 1995, Corr. reprint, ISBN 0-387-97716-3. MR 1416564. Zbl 0779.14001. doi: 10.1007/978-1-4757-2189-8.
- [7] R. HARTSHORNE, *Algebraic geometry*, Graduate Texts in Mathematics **52**, Springer, New York, NY, 1977, Corr. 3rd print., ISBN 0-387-90244-9. MR 0463157. Zbl 0531.14001. doi: 10.1007/978-1-4757-3849-0.
- [8] J. MATOUŠEK, *Lectures on discrete geometry*, Graduate Texts in Mathematics **212**, Springer, New York, NY, 2002, ISBN 0-387-95373-6. MR 1899299. Zbl 0999.52006. doi: 10.1007/978-1-4613-0039-7.
- [9] J. MATOUŠEK, *Using the Borsuk–Ulam theorem: lectures on topological methods in combinatorics and geometry*, Universitext, Springer, Berlin, 2008, 2nd corr. print., ISBN 3-540-00362-2. MR 1988723. Zbl 1234.05002. doi: 10.1007/978-3-540-76649-0.
- [10] J. PACH and P. K. AGARWAL, *Combinatorial geometry*, Wiley-Interscience Series in Discrete Mathematics and Optimization, Wiley, New York, NY, 1995, ISBN 0-471-58890-3. MR 1354145. Zbl 0881.52001. doi: 10.1002/9781118033203.
- [11] 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 2469102. Zbl 1157.52001. doi: 10.1090/surv/152.

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Bibliography by Joshua Zahl.