

The following is a list of references mentioning the *symbolic defect* of an ideal. This notion was defined in [10] to measure the gap between regular and symbolic powers of ideals.

REFERENCES

- [1] J. Biermann, H. de Alba, F. Galetto, S. Murai, U. Nagel, A. O’Keefe, T. Römer, and A. Seceleanu. Betti numbers of symmetric shifted ideals. *J. Algebra*, 560:312–342, 2020.
- [2] R. Burity. On a -fold products ideals of hyperplane arrangements. *Bull. Sci. Math.*, 189:20, 2023. Id/No 103359.
- [3] E. Camps-Moreno, C. Kohne, E. Sarmiento, and A. Van Tuyl. Powers of principal Q -Borel ideals. *Can. Math. Bull.*, 65(3):633–652, 2022.
- [4] E. Carlini, H. T. Hà, B. Harbourne, and A. Van Tuyl. *Ideals of powers and powers of ideals. Intersecting algebra, geometry, and combinatorics*, volume 27 of *Lecture Notes of the Unione Matematica Italiana*. Cham: Springer, 2020.
- [5] B. Chakraborty and M. Mandal. Invariants of the symbolic powers of edge ideals. *J. Algebra Appl.*, 19(10):19, 2020. Id/No 2050184.
- [6] B. Drabkin, E. Grifo, A. Seceleanu, and B. Stone. Calculations involving symbolic powers. *J. Softw. Algebra Geom.*, 9(1):71–80, 2019.
- [7] B. Drabkin and L. Guerrieri. Asymptotic invariants of ideals with Noetherian symbolic Rees algebra and applications to cover ideals. *J. Pure Appl. Algebra*, 224(1):300–319, 2020.
- [8] B. Drabkin and L. Guerrieri. On quasi-euigenerated and Freiman cover ideals of graphs. *Commun. Algebra*, 48(10):4413–4435, 2020.
- [9] R. Fröberg, S. Lundqvist, A. Oneto, and B. Shapiro. Algebraic stories from one and from the other pockets. *Arnold Math. J.*, 4(2):137–160, 2018.
- [10] F. Galetto, A. V. Geramita, Y.-S. Shin, and A. Van Tuyl. The symbolic defect of an ideal. *J. Pure Appl. Algebra*, 223(6):2709–2731, 2019.
- [11] H. T. Hà and P. Mantero. The Alexander-Hirschowitz theorem and related problems. In *Commutative algebra. Expository papers dedicated to David Eisenbud on the occasion of his 75th birthday*, pages 373–427. Cham: Springer, 2021.
- [12] H. Haghighi and M. Mosakhani. Containment problem for quasi star configurations of points in \mathbb{P}^2 . *Algebra Colloq.*, 25(4):661–670, 2018.
- [13] B. Harbourne, J. Kettinger, and F. Zimmitti. Extreme values of the resurgence for homogeneous ideals in polynomial rings. *J. Pure Appl. Algebra*, 226(2):16, 2022. Id/No 106811.
- [14] I. B. Jafarloo and G. Malara. Regularity and symbolic defect of points on rational normal curves. *Period. Math. Hung.*, 87(2):508–519, 2023.
- [15] I. B. Jafarloo and G. Zito. On the containment problem for fat points. *J. Commut. Algebra*, 13(3):305–321, 2021.
- [16] I. Jahani and S. Bayati. Waldschmidt constant of some classes of hypergraphs. *AUT Journal of Mathematics and Computing*, pages –, 2024.
- [17] M. Janssen, T. Kamp, and J. Vander Woude. Comparing powers of edge ideals. *J. Algebra Appl.*, 18(10):19, 2019. Id/No 1950184.
- [18] A. V. Jayanthan, A. Kumar, and V. Mukundan. On the resurgence and asymptotic resurgence of homogeneous ideals. *Math. Z.*, 302(4):2407–2434, 2022.
- [19] K.-N. Lin and Y.-H. Shen. Symbolic powers of generalized star configurations of hypersurfaces. *J. Algebra*, 593:193–216, 2022.
- [20] K.-N. Lin and Y.-H. Shen. Symbolic powers and free resolutions of generalized star configurations of hypersurfaces. *Mich. Math. J.*, 73(1):33–66, 2023.
- [21] M. Mandal and D. K. Pradhan. Symbolic defects of edge ideals of unicyclic graphs. *J. Algebra Appl.*, 22(5):30, 2023. Id/No 2350099.
- [22] P. Mantero. The structure and free resolutions of the symbolic powers of star configurations of hypersurfaces. *Trans. Am. Math. Soc.*, 373(12):8785–8835, 2020.
- [23] P. Mantero, C. B. Miranda-Neto, and U. Nagel. A formula for symbolic powers. *J. Algebra*, 658:1–21, 2024.
- [24] P. Mantero and V. Nguyen. The structure of symbolic powers of matroids, 2024, arXiv:2406.13759.
- [25] B. Oltsik. Symbolic defect of monomial ideals. *Commun. Algebra*, 52(9):3996–4012, 2024.

- [26] J. P. Park and Y.-S. Shin. The symbolic defect and the Waldschmidt constant of a general star configuration in \mathbb{P}^n . *J. Korean Math. Soc.*, 62(3):485–513, 2025.
- [27] T. Reimer. *The symbolic defect sequence of edge ideals*. PhD thesis, University of Manitoba, Aug. 2022.
- [28] N. Taghipour, S. Bayati, and F. Rahmati. Comparison of symbolic and ordinary powers of parity binomial edge ideals. *Monatsh. Math.*, 203(3):695–710, 2024.