

Bibliography for Arithmetic Dynamics

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This document lists a wide variety of articles and books in the area of arithmetic dynamics, together with some miscellaneous articles and books in arithmetic geometry. It also includes some additional material that was referenced in *The Arithmetic of Dynamical Systems* (Springer-Verlag GTM 241) and some miscellaneous articles and books that I've referenced in my own work. Note that the numbering in this document does not match the numbering of references in GTM 241. Further note that I do not automatically update ArXiv preprints when they appear. Most recent published articles in arithmetic dynamics can be found by searching the 37P category on MathSciNet.

Important Note: I have been informed that some people consider inclusion or omission of an article in this bibliography as implying some sort of positive or negative endorsement of the significance of the article. Nothing could be further from the truth. I merely include articles that I happen to notice on the ArXiv and/or MathSciNet.

References

- [1] N. Abarenkova, J.-C. Anglès d'Auriac, S. Boukraa, S. Hassani, and J.-M. Maillard. Topological entropy and Arnold complexity for two-dimensional mappings. *Phys. Lett. A*, 262(1):44–49, 1999.
- [2] W. Abram and J. C. Lagarias. Intersections of multiplicative translates of 3-adic cantor sets, 2013. [arXiv:1308.3133](https://arxiv.org/abs/1308.3133).
- [3] R. L. Adler, A. G. Konheim, and M. H. McAndrew. Topological entropy. *Trans. Amer. Math. Soc.*, 114:309–319, 1965.
- [4] L. V. Ahlfors. *Complex Analysis*. McGraw-Hill Book Co., New York, 1978.
- [5] F. Ahmad, R. L. Benedetto, J. Cain, G. Carroll, and L. Fang. The arithmetic basilica: a quadratic PCF arboreal Galois group, 2019. [arXiv:1909.00039](https://arxiv.org/abs/1909.00039).
- [6] O. Ahmadi. A note on stable quadratic polynomials over fields of characteristic two, 2009. [arXiv:0910.4556](https://arxiv.org/abs/0910.4556).
- [7] O. Ahmadi, F. Luca, A. Ostafe, and I. E. Shparlinski. On stable quadratic polynomials. *Glasg. Math. J.*, 54(2):359–369, 2012.
- [8] O. Ahmadi and K. Monsef-Shokri. A note on the stability of trinomials over finite fields, 2018. [arXiv:1810.03142](https://arxiv.org/abs/1810.03142).
- [9] A. V. Aho and N. J. A. Sloane. Some doubly exponential sequences. *Fibonacci Quart.*, 11(4):429–437, 1973.
- [10] N. Ailon and Z. Rudnick. Torsion points on curves and common divisors of $a^k - 1$ and $b^k - 1$. *Acta Arith.*, 113(1):31–38, 2004.

- [11] W. Aitken, F. Hajir, and C. Maire. Finitely ramified iterated extensions. *IMRN*, 14:855–880, 2005.
- [12] A. Akbary and D. Ghioca. Periods of orbits modulo primes. *J. Number Theory*, 129(11):2831–2842, 2009.
- [13] S. Akiyama, H. Brunotte, A. Pethő, and W. Steiner. Periodicity of certain piecewise affine planar maps. *Tsukuba J. Math.*, 32(1):197–251, 2008.
- [14] S. Albeverio, M. Gundlach, A. Khrennikov, and K.-O. Lindahl. On the Markovian behavior of p -adic random dynamical systems. *Russ. J. Math. Phys.*, 8(2):135–152, 2001.
- [15] S. Albeverio, U. A. Rozikov, and I. A. Sattarov. p -adic $(2, 1)$ -rational dynamical systems. *J. Math. Anal. Appl.*, 398(2):553–566, 2013.
- [16] S. Albeverio, B. Tirotstsi, A. Y. Khrennikov, and S. de Shmedt. p -adic dynamical systems. *Teoret. Mat. Fiz.*, 114(3):349–365, 1998.
- [17] N. Ali. Stabilité des polynômes. *Acta Arith.*, 119(1):53–63, 2005.
- [18] I. Aliev and C. Smyth. Power maps and subvarieties of the complex algebraic n -torus, 2008. [arXiv:0802.2938](https://arxiv.org/abs/0802.2938).
- [19] K. Allen, D. DeMark, and C. Petsche. Non-Archimedean Hénon maps, attractors, and horseshoes. *Res. Number Theory*, 4(1):Art. 5, 30, 2018.
- [20] A. Altman. The size function of abelian varieties. *Trans. Amer. Math. Soc.*, 164:153–161, 1972.
- [21] E. Amerik. A computation of invariants of a rational self-map. *Ann. Fac. Sci. Toulouse Math. (6)*, 18(3):445–457, 2009.
- [22] E. Amerik. Existence of non-preperiodic algebraic points for a rational self-map of infinite order. *Math. Res. Lett.*, 18(2):251–256, 2011.
- [23] E. Amerik. Some applications of p -adic uniformization to algebraic dynamics. In *Rational points, rational curves, and entire holomorphic curves on projective varieties*, volume 654 of *Contemp. Math.*, pages 3–21. Amer. Math. Soc., Providence, RI, 2015.
- [24] E. Amerik, F. Bogomolov, and M. Rovinsky. Remarks on endomorphisms and rational points. *Compos. Math.*, 147(6):1819–1842, 2011.
- [25] E. Amerik, P. Kurlberg, K. D. Nguyen, A. Towsley, B. Viray, and J. F. Voloch. Evidence for the dynamical Brauer-Manin criterion. *Exp. Math.*, 25(1):54–65, 2016.
- [26] E. Amerik and M. Verbitsky. Construction of automorphisms of hyperkähler manifolds. *Compos. Math.*, 153(8):1610–1621, 2017.
- [27] F. Amoroso and R. Dvornicich. A lower bound for the height in abelian extensions. *J. Number Theory*, 80(2):260–272, 2000.
- [28] F. Amoroso and U. Zannier. A relative Dobrowolski lower bound over abelian extensions. *Ann. Scuola Norm. Sup. Pisa Cl. Sci. (4)*, 29(3):711–727, 2000.
- [29] V. Anashin. Ergodic transformations in the space of p -adic integers. In *p -adic mathematical physics*, volume 826 of *AIP Conf. Proc.*, pages 3–24. Amer. Inst. Phys., Melville, NY, 2006.
- [30] J. Anderson. Bounds on the radius of the p -adic Mandelbrot set. *Acta Arith.*, 158(3):253–269, 2013.
- [31] J. Anderson, I. I. Bouw, O. Ejder, N. Girgin, V. Karemaker, and M. Manes. Dynamical Belyi maps. In *Women in numbers Europe II*, volume 11 of *Assoc. Women Math. Ser.*, pages 57–82. Springer, Cham, 2018.
- [32] J. Anderson, S. Hamblen, B. Poonen, and L. Walton. Local arboreal representations. *Int. Math. Res. Not. IMRN*, (19):5974–5994, 2018.
- [33] J. Anderson, M. Manes, and B. Tobin. Cubic post-critically finite polynomials defined over \mathbb{Q} , 2020. [arXiv:2001.10471](https://arxiv.org/abs/2001.10471).

- [34] J. Anderson, M. Manes, and B. Tobin. Some applications of dynamical Belyi polynomials, 2021. [arXiv:2109.03339](https://arxiv.org/abs/2109.03339).
- [35] M. Anderson and D. W. Masser. Lower bounds for heights on elliptic curves. *Math. Z.*, 174(1):23–34, 1980.
- [36] Y. André. *G-functions and geometry*. Aspects of Mathematics, E13. Friedr. Vieweg & Sohn, Braunschweig, 1989.
- [37] K. Andrei and E. Yurova. Criteria of ergodicity for p -adic dynamical systems in terms of coordinate functions, 2013. [arXiv:1303.6472](https://arxiv.org/abs/1303.6472).
- [38] J. Andrews and C. Petsche. Abelian extensions in dynamical Galois theory, 2020. [arXiv:2001.00659](https://arxiv.org/abs/2001.00659).
- [39] J.-C. Anglès d’Auriac, J.-M. Maillard, and C. M. Viallet. On the complexity of some birational transformations. *J. Phys. A*, 39(14):3641–3654, 2006.
- [40] O. Antolín-Camarena and S. Koch. On a theorem of Kas and Schlessinger. In *Quasiconformal mappings, Riemann surfaces, and Teichmüller spaces*, volume 575 of *Contemp. Math.*, pages 13–22. Amer. Math. Soc., Providence, RI, 2012.
- [41] T. M. Apostol. *Introduction to Analytic Number Theory*. Springer-Verlag, New York, 1976. Undergraduate Texts in Mathematics.
- [42] M. Arfeux. Approximability of dynamical systems between trees of spheres. *Indiana Univ. Math. J.*, 65(6):1945–1977, 2016.
- [43] M. Arfeux. Compactification and trees of spheres covers. *Conform. Geom. Dyn.*, 21:225–246, 2017.
- [44] M. Arfeux. Dynamics on trees of spheres. *J. Lond. Math. Soc. (2)*, 95(1):177–202, 2017.
- [45] M. Arfeux and J. Kiwi. Irreducibility of the set of cubic polynomials with one periodic critical point, 2016. [arXiv:1611.09281](https://arxiv.org/abs/1611.09281).
- [46] J. Arias de Reyna. Dynamical zeta functions and Kummer congruences. *Acta Arith.*, 119(1):39–52, 2005.
- [47] V. I. Arnol’d. Dynamics of complexity of intersections. *Bol. Soc. Brasil. Mat. (N.S.)*, 21(1):1–10, 1990.
- [48] V. I. Arnol’d. Dynamics of intersections. In *Analysis, et cetera*, pages 77–84. Academic Press, Boston, MA, 1990.
- [49] V. I. Arnol’d. *Dynamics, statistics and projective geometry of Galois fields*. Cambridge University Press, Cambridge, 2011. Translated from the Russian, With words about Arnold by Maxim Kazarian and Ricardo Uribe-Vargas.
- [50] D. K. Arrowsmith and F. Vivaldi. Some p -adic representations of the Smale horseshoe. *Phys. Lett. A*, 176(5):292–294, 1993.
- [51] D. K. Arrowsmith and F. Vivaldi. Geometry of p -adic Siegel discs. *Phys. D*, 71(1-2):222–236, 1994.
- [52] M. Astorg. Dynamics of post-critically finite maps in higher dimension. *Ergodic Theory Dynam. Systems*, 40(2):289–308, 2020.
- [53] R. Auffarth and G. Codogni. Theta divisors whose Gauss map has a fiber of positive dimension. *J. Algebra*, 548:153–161, 2020.
- [54] R. Auffarth, G. P. Pirola, and R. S. Manni. Torsion points on theta divisors. *Proc. Amer. Math. Soc.*, 145(1):89–99, 2017.
- [55] P. Autissier. Hauteur des correspondances de Hecke. *Bull. Soc. Math. France*, 131(3):421–433, 2003.
- [56] P. Autissier. Dynamique des correspondances algébriques et hauteurs. *Int. Math. Res. Not.*, (69):3723–3739, 2004.
- [57] S. Axler. *Linear Algebra Done Right*. Undergraduate Texts in Mathematics. Springer-Verlag, New York, second edition, 1997.

- [58] M. Ayad. Périodicité (mod q) des suites elliptiques et points S -entiers sur les courbes elliptiques. *Ann. Inst. Fourier (Grenoble)*, 43(3):585–618, 1993.
- [59] M. Ayad and D. L. McQuillan. Irreducibility of the iterates of a quadratic polynomial over a field. *Acta Arith.*, 93(1):87–97, 2000.
- [60] M. Ayad and D. L. McQuillan. Corrections to: “Irreducibility of the iterates of a quadratic polynomial over a field” [Acta Arith. **93** (2000), no. 1, 87–97]. *Acta Arith.*, 99(1):97, 2001.
- [61] A. Azevedo, M. Carvalho, and A. Machiavelo. Dynamics of a quasi-quadratic map, 2012. [arXiv:1210.0042](#).
- [62] E. Bach and A. Bridy. On the number of distinct functional graphs of affine-linear transformations over finite fields. *Linear Algebra Appl.*, 439(5):1312–1320, 2013.
- [63] G. Baier and M. Klein. Maximum hyperchaos in generalized Hénon maps. *Physics Letters A*, 151:281–284, 12 1990.
- [64] S. Baier, S. Jaidee, S. Stevens, and T. Ward. Automorphisms with exotic orbit growth, 2012. [arXiv:1201.4503](#).
- [65] D. Bajpai, R. Benedetto, R. Chen, E. Kim, O. Marschall, D. Onul, and Y. Xiao. Non-archimedean connected Julia sets with branching, 2014. [arXiv:1410.0591](#).
- [66] A. Baker. *Transcendental number theory*. Cambridge Mathematical Library. Cambridge University Press, Cambridge, second edition, 1990.
- [67] I. N. Baker. Fixpoints of polynomials and rational functions. *J. London Math. Soc.*, 39:615–622, 1964.
- [68] M. Baker. A lower bound for average values of dynamical Green’s functions. *Math. Res. Lett.*, 13(2-3):245–257, 2006.
- [69] M. Baker. Uniform structures and Berkovich spaces, 2006. [ArXiv:math.NT/0606252](#).
- [70] M. Baker. A finiteness theorem for canonical heights attached to rational maps over function fields. *J. Reine Angew. Math.*, 626:205–233, 2009.
- [71] M. Baker and L. De Marco. Special curves and postcritically finite polynomials. *Forum Math. Pi*, 1:e3, 35, 2013.
- [72] M. Baker and L. DeMarco. Preperiodic points and unlikely intersections. *Duke Math. J.*, 159(1):1–29, 2011.
- [73] M. Baker and L.-C. Hsia. Canonical heights, transfinite diameters, and polynomial dynamics, 2005.
- [74] M. Baker and S.-i. Ih. Equidistribution of small subvarieties of an abelian variety. *New York J. Math.*, 10:279–285 (electronic), 2004.
- [75] M. Baker, S.-i. Ih, and R. Rumely. A finiteness property of torsion points. *Algebra Number Theory*, 2(2):217–248, 2008.
- [76] M. Baker and S. Norine. Riemann-Roch and Abel-Jacobi theory on a finite graph. *Adv. Math.*, 215(2):766–788, 2007.
- [77] M. Baker and R. Rumely. Analysis and dynamics on the Berkovich projective line, 2004. [ArXiv:math.NT/0407433](#).
- [78] M. Baker and R. Rumely. Montel’s theorem for the Berkovich projective line and the Berkovich Julia set of a rational map, 2005. Preprint.
- [79] M. Baker and R. Rumely. Equidistribution of small points, rational dynamics, and potential theory. *Ann. Inst. Fourier (Grenoble)*, 56(3):625–688, 2006.
- [80] M. Baker and R. Rumely. Harmonic analysis on metrized graphs. *Canad. J. Math.*, 59(2):225–275, 2007.
- [81] M. Baker and R. Rumely. *Potential theory and dynamics on the Berkovich projective line*, volume 159 of *Mathematical Surveys and Monographs*. American Mathematical Society, Providence, RI, 2010.

- [82] M. H. Baker. Lower bounds for the canonical height on elliptic curves over abelian extensions. *Int. Math. Res. Not.*, (29):1571–1589, 2003.
- [83] M. H. Baker and J. H. Silverman. A lower bound for the canonical height on abelian varieties over abelian extensions. *Math. Res. Lett.*, 11(2-3):377–396, 2004.
- [84] T. F. Banchoff and M. I. Rosen. Periodic points of Anosov diffeomorphisms. In *Global Analysis (Proc. Sympos. Pure Math., Vol. XIV, Berkeley, Calif., 1968)*, pages 17–21. Amer. Math. Soc., Providence, R.I., 1970.
- [85] T. Bandman, F. Grunewald, and B. Kunyavskii. Geometry and arithmetic of verbal dynamical systems on simple groups. *Groups Geom. Dyn.*, 4(4):607–655, 2010. With an appendix by Nathan Jones.
- [86] A. Bang. Taltheoretiske undersøgelser. *Tidskrift f. Math.*, 5:70–80 and 130–137, 1886.
- [87] A. Baragar. *The Markoff equation and equations of Hurwitz*. ProQuest LLC, Ann Arbor, MI, 1991. Thesis (Ph.D.)—Brown University.
- [88] A. Baragar. Asymptotic growth of Markoff-Hurwitz numbers. *Compositio Math.*, 94(1):1–18, 1994.
- [89] A. Baragar. Integral solutions of Markoff-Hurwitz equations. *J. Number Theory*, 49(1):27–44, 1994.
- [90] A. Baragar. Rational points on $K3$ surfaces in $\mathbb{P}^1 \times \mathbb{P}^1 \times \mathbb{P}^1$. *Math. Ann.*, 305(3):541–558, 1996.
- [91] A. Baragar. Rational curves on $K3$ surfaces in $\mathbb{P}^1 \times \mathbb{P}^1 \times \mathbb{P}^1$. *Proc. Amer. Math. Soc.*, 126(3):637–644, 1998.
- [92] A. Baragar. Canonical vector heights on algebraic $K3$ surfaces with Picard number two. *Canad. Math. Bull.*, 46(4):495–508, 2003.
- [93] A. Baragar. Orbits of curves on certain $K3$ surfaces. *Compositio Math.*, 137(2):115–134, 2003.
- [94] A. Baragar. Canonical vector heights on $K3$ surfaces with Picard number three—an argument for nonexistence. *Math. Comp.*, 73(248):2019–2025 (electronic), 2004.
- [95] A. Baragar and R. van Luijk. $K3$ surfaces with Picard number three and canonical vector heights. *Math. Comp.*, 76(259):1493–1498 (electronic), 2007.
- [96] S. Barańczuk. On a dynamical local-global principle in Mordell-Weil type groups. *Expo. Math.*, 35(2):206–211, 2017.
- [97] F. Barroero, L. Capuano, and A. Turchet. Greatest common divisor results on semiabelian varieties and a conjecture of Silverman, 2022. [arXiv:2205.05562](https://arxiv.org/abs/2205.05562).
- [98] F. Barroero, L. Kühne, and H. Schmidt. Unlikely intersections of curves with algebraic subgroups in semiabelian varieties, 2021. [arXiv:2108.12405](https://arxiv.org/abs/2108.12405).
- [99] B. Barsakç and M. Sadek. Simultaneous rational periodic points of degree 2 rational maps, 2022. [arXiv:2206.03526](https://arxiv.org/abs/2206.03526).
- [100] W. P. Barth, K. Hulek, C. A. M. Peters, and A. Van de Ven. *Compact complex surfaces*, volume 4 of *Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge. A Series of Modern Surveys in Mathematics*. Springer-Verlag, Berlin, second edition, 2004.
- [101] B. Bartolome, Y. Bilu, and F. Luca. On the exponential local-global principle. *Acta Arith.*, 159(2):101–111, 2013.
- [102] J. Bastos, D. Caprio, and A. Messaoudi. Shadowing and stability in p -adic dynamics, 2020. [arXiv:2001.02737](https://arxiv.org/abs/2001.02737).
- [103] B. Bate, K. Craft, and J. Yuly. Algorithms for classifying points in a 2-adic Mandelbrot set. *Involve*, 12(6):969–994, 2019.
- [104] A. Batra and P. Morton. Algebraic dynamics of polynomial maps on the algebraic closure of a finite field. I. *Rocky Mountain J. Math.*, 24(2):453–481, 1994.
- [105] A. Batra and P. Morton. Algebraic dynamics of polynomial maps on the algebraic closure of a finite field. II. *Rocky Mountain J. Math.*, 24(3):905–932, 1994.

- [106] E. Bayer-Fluckiger. Isometries of lattices and automorphisms of K3 surfaces, 2021. [arXiv:2107.07583](#).
- [107] E. Bayer-Fluckiger. Automorphisms of K3 surfaces, signatures, and isometries of lattices, 2022. [arXiv:2209.06698](#).
- [108] T. Bayraktar. Ergodic properties of random holomorphic endomorphisms of \mathbb{P}^k , 2013. [arXiv:1305.6342](#).
- [109] A. F. Beardon. *Iteration of Rational Functions*, volume 132 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 1991.
- [110] A. Beauville. *Complex Algebraic Surfaces*, volume 34 of *London Mathematical Society Student Texts*. Cambridge University Press, Cambridge, second edition, 1996.
- [111] P.-G. Becker. Transcendence of the values of functions satisfying generalized Mahler type functional equations. *J. Reine Angew. Math.*, 440:111–128, 1993.
- [112] P.-G. Becker and W. Bergweiler. Transcendency of local conjugacies in complex dynamics and transcendency of their values. *Manuscripta Math.*, 81(3-4):329–337, 1993.
- [113] E. Bedford. The dynamical degrees of a mapping. In *Proceedings of the Workshop Future Directions in Difference Equations*, volume 69 of *Colecc. Congr.*, pages 3–13. Univ. Vigo, Serv. Publ., Vigo, 2011.
- [114] E. Bedford, S. Cantat, and K. Kim. Pseudo-automorphisms with no invariant foliation. *J. Mod. Dyn.*, 8(2):221–250, 2014.
- [115] E. Bedford, J. Diller, and K. Kim. Pseudoautomorphisms with invariant curves. In *Complex geometry and dynamics*, volume 10 of *Abel Symp.*, pages 1–27. Springer, Cham, 2015.
- [116] E. Bedford and K. Kim. On the degree growth of birational mappings in higher dimension. *J. Geom. Anal.*, 14(4):567–596, 2004.
- [117] E. Bedford and K. Kim. Periodicities in linear fractional recurrences: degree growth of birational surface maps. *Michigan Math. J.*, 54(3):647–670, 2006.
- [118] E. Bedford and K. Kim. Degree growth of matrix inversion: birational maps of symmetric, cyclic matrices. *Discrete Contin. Dyn. Syst.*, 21(4):977–1013, 2008.
- [119] E. Bedford and K. Kim. Degree growth of matrix inversion: birational maps of symmetric, cyclic matrices. *Discrete Contin. Dyn. Syst.*, 21(4):977–1013, 2008.
- [120] E. Bedford and K. Kim. Linear recurrences in the degree sequences of monomial mappings. *Ergodic Theory Dynam. Systems*, 28(5):1369–1375, 2008.
- [121] E. Bedford and K. Kim. Dynamics of rational surface automorphisms: linear fractional recurrences. *J. Geom. Anal.*, 19(3):553–583, 2009.
- [122] E. Bedford and K. Kim. The number of periodic orbits of a rational difference equation. In *Complex analysis and digital geometry*, volume 86 of *Acta Univ. Upsaliensis Skr. Uppsala Univ. C Organ. Hist.*, pages 47–56. Uppsala Universitet, Uppsala, 2009.
- [123] E. Bedford and K. Kim. Continuous families of rational surface automorphisms with positive entropy. *Math. Ann.*, 348(3):667–688, 2010.
- [124] E. Bedford and K. Kim. Linear fractional recurrences: periodicities and integrability. *Ann. Fac. Sci. Toulouse Math. (6)*, 20(Fascicule Spécial):33–56, 2011.
- [125] E. Bedford and K. Kim. Dynamics of (pseudo) automorphisms of 3-space: periodicity versus positive entropy. *Publ. Mat.*, 58(1):65–119, 2014.
- [126] E. Bedford, K. Kim, T. T. Truong, N. Abarenkova, and J.-M. Maillard. Degree complexity of a family of birational maps. *Math. Phys. Anal. Geom.*, 11(1):53–71, 2008.
- [127] E. Bedford and V. Pambuccian. Dynamics of shift-like polynomial diffeomorphisms of \mathbb{C}^N . *Conform. Geom. Dyn.*, 2:45–55, 1998.
- [128] E. Bedford and T. T. Truong. Degree complexity of birational maps related to matrix inversion. *Comm. Math. Phys.*, 298(2):357–368, 2010.

- [129] M. B. Bekka and M. Mayer. *Ergodic Theory and Topological Dynamics of Group Actions on Homogeneous Spaces*, volume 269 of *London Mathematical Society Lecture Note Series*. Cambridge University Press, Cambridge, 2000.
- [130] E. Bekyel. The density of elliptic curves having a global minimal Weierstrass equation. *J. Number Theory*, 109(1):41–58, 2004.
- [131] J. Belk and S. Koch. Iterated monodromy for a two-dimensional map. In *In the tradition of Ahlfors-Bers. V*, volume 510 of *Contemp. Math.*, pages 1–11. Amer. Math. Soc., Providence, RI, 2010.
- [132] J. Bell, J. Diller, M. Jonsson, and H. Krieger. Birational mpas with transcendental dynamical degree, 2021. [arXiv:2107.04113](#).
- [133] J. Bell and D. Ghioca. A conjecture strengthening the Zariski dense orbit problem for birational maps of dynamical degree one, 2022. [arXiv:2202.06364](#).
- [134] J. Bell and D. Ghioca. A fusion variant of the classical and dynamical Mordell–Lang conjectures in positive characteristic, 2022. [arXiv:2205.02644](#).
- [135] J. Bell and D. Ghioca. Intersections of orbits of self-maps with subgroups in semiabelian varieties, 2022. [arXiv:2210.03152](#).
- [136] J. Bell, D. Ghioca, and Z. Reichstein. On a dynamical version of a theorem of Rosenlicht, 2014. [arXiv:1408.4744](#).
- [137] J. Bell, D. Ghioca, Z. Reichstein, and M. Satriano. On the Medvedev–Scanlon conjecture for minimal threefolds of non-negative Kodaira dimension, 2016. [arXiv:1610.03858](#).
- [138] J. Bell, D. Ghioca, and M. Satriano. Dynamical uniform bounds for fibers and a gap conjecture, 2019. [arXiv:1906.08683](#).
- [139] J. Bell, D. Ghioca, and T. Tucker. Bounding periods of subvarieties of $(\mathbb{P}^1)^n$. *Math. Res. Lett.*, 26(4):949–971, 2019.
- [140] J. Bell, Y. Matsuzawa, and M. Satriano. On dynamical cancellation, 2021. [arXiv:2106.11544](#).
- [141] J. Bell, R. Miles, and T. Ward. Towards a polya–carlson dichotomy for algebraic dynamics, 2013. [arXiv:1307.2369](#).
- [142] J. Bell and X. Zhong. p -adic interpolation of orbits under rational maps, 2022. [arXiv:2202.01673](#).
- [143] J. P. Bell. A generalised Skolem–Mahler–Lech theorem for affine varieties. *J. London Math. Soc. (2)*, 73(2):367–379, 2006.
- [144] J. P. Bell, S. Chen, and H. Ehsaan. Rational dynamical systems, S -units, and D -finite power series, 2020. [arXiv:2005.04281](#).
- [145] J. P. Bell, J. Diller, and M. Jonsson. A transcendental dynamical degree. *Acta Math.*, 225(2):193–225, 2020.
- [146] J. P. Bell and D. Ghioca. Periodic subvarieties of semiabelian varieties and annihilators of irreducible representations. *Adv. Math.*, 349:459–487, 2019.
- [147] J. P. Bell, D. Ghioca, and T. J. Tucker. The dynamical Mordell–Lang problem for étale maps. *Amer. J. Math.*, 132(6):1655–1675, 2010.
- [148] J. P. Bell, D. Ghioca, and T. J. Tucker. Applications of p -adic analysis to Burnside’s problem and Zhang’s conjecture, 2013. [arXiv:1310.5775](#).
- [149] J. P. Bell, D. Ghioca, and T. J. Tucker. Applications of p -adic analysis for bounding periods for subvarieties under étale maps. *Int. Math. Res. Not. IMRN*, (11):3576–3597, 2015.
- [150] J. P. Bell, D. Ghioca, and T. J. Tucker. The dynamical Mordell–Lang problem for Noetherian spaces. *Funct. Approx. Comment. Math.*, 53(2):313–328, 2015.
- [151] J. P. Bell, D. Ghioca, and T. J. Tucker. *The dynamical Mordell–Lang conjecture*, volume 210 of *Mathematical Surveys and Monographs*. American Mathematical Society, Providence, RI, 2016.

- [152] J. P. Bell, F. Hu, and M. Satriano. Height gap conjectures, d -finiteness, and weak dynamical Mordell–Lang, 2020. [arXiv:2003.01255](#).
- [153] J. P. Bell, K. Huang, W. Peng, and T. J. Tucker. A Tits alternative for rational functions, 2021. [arXiv:2103.09994](#).
- [154] J. P. Bell and J. C. Lagarias. A Skolem-Mahler-Lech theorem for iterated automorphisms of K -algebras. *Canad. J. Math.*, 67(2):286–314, 2015.
- [155] J. P. Bell, M. Satriano, and S. J. Sierra. On a dynamical Mordell-Lang conjecture for coherent sheaves. *J. Lond. Math. Soc. (2)*, 96(1):28–46, 2017.
- [156] E. Bellah, D. Garton, E. Tannenbaum, and N. Walton. A probabilistic heuristic for counting components of functional graphs of polynomials over finite fields. *Involve*, 11(1):169–179, 2018.
- [157] M. P. Bellon and C.-M. Viallet. Algebraic entropy. *Comm. Math. Phys.*, 204(2):425–437, 1999.
- [158] S. Ben-Menahem. p -adic iterations. Preprint, TAUP 1627–88, Tel-Aviv University, 1988.
- [159] R. Benedetto, X. Faber, B. Hutz, J. Juul, and Y. Yasufuku. A large arboreal Galois representation for a cubic postcritically finite polynomial, 2016. [arXiv:1612.03358](#).
- [160] R. Benedetto, P. Ingram, R. Jones, and A. Levy. Attracting cycles in p -adic dynamics and height bounds for postcritically finite maps. *Duke Math. J.*, 163(13):2325–2356, 2014.
- [161] R. Benedetto, P. Ingram, R. Jones, M. Manes, J. H. Silverman, and T. J. Tucker. Current trends and open problems in arithmetic dynamics. *Bull. Amer. Math. Soc. (N.S.)*, 56(4):611–685, 2019. Article electronically published on March 1, 2019. <https://doi.org/10.1090/bull/1665>.
- [162] R. Benedetto and J. Lee. J -stability in non-archimedean dynamics, 2021. [arXiv:2102.05841](#).
- [163] R. L. Benedetto. *Fatou components in p -adic dynamics*. PhD thesis, Brown University, 1998.
- [164] R. L. Benedetto. p -adic dynamics and Sullivan’s no wandering domains theorem. *Compositio Math.*, 122(3):281–298, 2000.
- [165] R. L. Benedetto. An elementary product identity in polynomial dynamics. *Amer. Math. Monthly*, 108(9):860–864, 2001.
- [166] R. L. Benedetto. Hyperbolic maps in p -adic dynamics. *Ergodic Theory Dynam. Systems*, 21(1):1–11, 2001.
- [167] R. L. Benedetto. Reduction, dynamics, and Julia sets of rational functions. *J. Number Theory*, 86(2):175–195, 2001.
- [168] R. L. Benedetto. Components and periodic points in non-Archimedean dynamics. *Proc. London Math. Soc. (3)*, 84(1):231–256, 2002.
- [169] R. L. Benedetto. Examples of wandering domains in p -adic polynomial dynamics. *C. R. Math. Acad. Sci. Paris*, 335(7):615–620, 2002.
- [170] R. L. Benedetto. Non-Archimedean holomorphic maps and the Ahlfors Islands theorem. *Amer. J. Math.*, 125(3):581–622, 2003.
- [171] R. L. Benedetto. Heights and preperiodic points of polynomials over function fields. *Int. Math. Res. Not.*, (62):3855–3866, 2005.
- [172] R. L. Benedetto. Wandering domains and nontrivial reduction in non-Archimedean dynamics. *Illinois J. Math.*, 49(1):167–193 (electronic), 2005.
- [173] R. L. Benedetto. Wandering domains in non-Archimedean polynomial dynamics. *Bull. London Math. Soc.*, 38(6):937–950, 2006.
- [174] R. L. Benedetto. Preperiodic points of polynomials over global fields. *J. Reine Angew. Math.*, 608:123–153, 2007.

- [175] R. L. Benedetto. Attaining potentially good reduction in arithmetic dynamics, 2013. [arXiv:1312.4493](#).
- [176] R. L. Benedetto. A criterion for potentially good reduction in nonarchimedean dynamics. *Acta Arith.*, 165(3):251–256, 2014.
- [177] R. L. Benedetto. *Dynamics in one non-archimedean variable*, volume 198 of *Graduate Studies in Mathematics*. American Mathematical Society, Providence, RI, 2019.
- [178] R. L. Benedetto, R. Chen, T. Hyde, Y. Kovacheva, and C. White. Small dynamical heights for quadratic polynomials and rational functions. *Exp. Math.*, 23(4):433–447, 2014.
- [179] R. L. Benedetto, B. Dickman, S. Joseph, B. Krause, D. Rubin, and X. Zhou. Computing points of small height for cubic polynomials. *Involve*, 2(1):37–64, 2009.
- [180] R. L. Benedetto, D. Ghioca, B. Hutz, P. Kurlberg, T. Scanlon, and T. J. Tucker. Periods of rational maps modulo primes. *Math. Ann.*, 355(2):637–660, 2013.
- [181] R. L. Benedetto, D. Ghioca, P. Kurlberg, and T. J. Tucker. A gap principle for dynamics. *Compos. Math.*, 146(4):1056–1072, 2010.
- [182] R. L. Benedetto, D. Ghioca, P. Kurlberg, and T. J. Tucker. A case of the dynamical Mordell-Lang conjecture. *Math. Ann.*, 352(1):1–26, 2012.
- [183] R. L. Benedetto and V. Goksel. Misiurewicz polynomials and dynamical units, part I, 2022. [arXiv:2201.07868](#).
- [184] R. L. Benedetto and V. Goksel. Misiurewicz polynomials and dynamical units, part II, 2022. [arXiv:2203.14431](#).
- [185] R. L. Benedetto and S.-I. Ih. Discreteness of postcritically finite maps in p -adic moduli space, 2020. [arXiv:2005.04656](#).
- [186] R. L. Benedetto and S.-I. Ih. A finiteness property of postcritically finite unicritical polynomials, 2020. [arXiv:2010.15941](#).
- [187] R. L. Benedetto and J. Juul. Odoni’s conjecture for number fields. *Bull. Lond. Math. Soc.*, 51(2):237–250, 2019.
- [188] C. D. Bennett and E. Mosteig. On the collection of integers that index the fixed points of maps on the space of rational functions. In *Tapas in experimental mathematics*, volume 457 of *Contemp. Math.*, pages 53–67. Amer. Math. Soc., Providence, RI, 2008.
- [189] A. Bérczes, A. Ostafe, I. E. Shparlinski, and J. H. Silverman. Multiplicative dependence among iterated values of rational functions modulo finitely generated groups, 2018. [arXiv:1811.04971](#).
- [190] L. Berger. Iterate extensions and relative Lubin–Tate groups, 2014. [arXiv:1411.7064](#).
- [191] L. Berger. Lubin’s conjecture for full p -adic dynamical systems, 2016. [arXiv:1603.03631](#).
- [192] L. Berger. Nonarchimedean dynamical systems and formal groups, 2017. [arXiv:1702.06037](#).
- [193] L. Berger. Rigidity and unlikely intersections for formal groups, 2018. [arXiv:1811.05824](#).
- [194] L. Berger. The Weierstrass preparation theorem and resultants of p -adic power series, 2019. [arXiv:1910.05319](#).
- [195] V. G. Berkovich. *Spectral Theory and Analytic Geometry over Non-Archimedean Fields*, volume 33 of *Mathematical Surveys and Monographs*. American Mathematical Society, Providence, RI, 1990.
- [196] V. G. Berkovich. Étale cohomology for non-Archimedean analytic spaces. *Inst. Hautes Études Sci. Publ. Math.*, (78):5–161 (1994), 1993.
- [197] V. G. Berkovich. The automorphism group of the Drinfel’d half-plane. *C. R. Acad. Sci. Paris Sér. I Math.*, 321(9):1127–1132, 1995.

- [198] V. G. Berkovich. p -adic analytic spaces. In *Proceedings of the International Congress of Mathematicians, Vol. II (Berlin, 1998)*, number Extra Vol. II, pages 141–151 (electronic), 1998.
- [199] F. Berteloot and J.-J. Loeb. Une caractérisation géométrique des exemples de Lattès de \mathbb{P}^k . *Bull. Soc. Math. France*, 129(2):175–188, 2001.
- [200] E. A. Bertram. Polynomials which commute with a Tchebycheff polynomial. *Amer. Math. Monthly*, 78:650–653, 1971.
- [201] D. Bertrand. Problèmes de transcendance liés aux hauteurs sur les courbes elliptiques. In *Mathematics*, CTHS: Bull. Sec. Sci., III, pages 55–63. Bib. Nat., Paris, 1981.
- [202] D. Bertrand. Minimal heights and polarizations on group varieties. *Duke Math. J.*, 80(1):223–250, 1995.
- [203] J.-P. Bézivin. Sur les ensembles de Julia et Fatou des fonctions entières ultramétriques. *Ann. Inst. Fourier (Grenoble)*, 51(6):1635–1661, 2001.
- [204] J.-P. Bézivin. Sur les points périodiques des applications rationnelles en dynamique ultramétrique. *Acta Arith.*, 100(1):63–74, 2001.
- [205] J.-P. Bézivin. Fractions rationnelles hyperboliques p -adiques. *Acta Arith.*, 112(2):151–175, 2004.
- [206] J.-P. Bézivin. Sur la compacité des ensembles de Julia des polynômes p -adiques. *Math. Z.*, 246(1-2):273–289, 2004.
- [207] J.-P. Bézivin, A. Pethő, and A. J. van der Poorten. A full characterisation of divisibility sequences. *Amer. J. Math.*, 112(6):985–1001, 1990.
- [208] M. Bhargava and W. Ho. Coregular spaces and genus one curves. *Camb. J. Math.*, 4(1):1–119, 2016.
- [209] M. Bhargava, W. Ho, and A. Kumar. Orbit parametrizations for K3 surfaces. *Forum Math. Sigma*, 4:Paper No. e18, 86, 2016.
- [210] A. Bhatnagar. *Points of Canonical Height Zero on Projective Varieties*. PhD thesis, CUNY University, 2010.
- [211] A. Bhatnagar. The moduli space of totally marked degree two rational maps. *Acta Arith.*, 167(3):251–260, 2015.
- [212] A. Bhatnagar and L. Szpiro. Canonical height zero over function fields, 2011. in preparation.
- [213] A. Bhatnagar and L. Szpiro. Very ample polarized self maps extend to projective space. *J. Algebra*, 351:251–253, 2012.
- [214] B. Bielefeld, Y. Fisher, and J. Hubbard. The classification of critically preperiodic polynomials as dynamical systems. *J. Amer. Math. Soc.*, 5(4):721–762, 1992.
- [215] T. R. Billingsley. An algorithm for checking injectivity of specialization maps from elliptic surfaces, 2021. [arXiv:2110.01151](https://arxiv.org/abs/2110.01151).
- [216] Y. Bilu, G. Hanrot, and P. M. Voutier. Existence of primitive divisors of Lucas and Lehmer numbers. *J. Reine Angew. Math.*, 539:75–122, 2001. With an appendix by M. Mignotte.
- [217] G. Binyamini, H. Schmidt, and A. Yafaev. Lower bounds for galois orbits of special points on Shimura varieties: a point-counting approach, 2021. [arXiv:2104.05842](https://arxiv.org/abs/2104.05842).
- [218] G. Birkhoff. Linear transformations with invariant cones. *Amer. Math. Monthly*, 74:274–276, 1967.
- [219] D. Biswas and Z. Chen. Silverman–Tate height inequality for positive characteristics, 2020. [arXiv:2012.09774](https://arxiv.org/abs/2012.09774).
- [220] J. Blanc, J. K. Canci, and N. D. Elkies. Moduli spaces of quadratic rational maps with a marked periodic point of small order. *Int. Math. Res. Not. IMRN*, (23):12459–12489, 2015.

- [221] J. Blanc and S. Cantat. Dynamical degrees of birational transformations of projective surfaces. *J. Amer. Math. Soc.*, 29(2):415–471, 2016.
- [222] J. Blanc and J. Déserti. Degree growth of birational maps of the plane. *Ann. Sc. Norm. Super. Pisa Cl. Sci. (5)*, 14(2):507–533, 2015.
- [223] P. Blanchard. Complex analytic dynamics on the Riemann sphere. *Bull. Amer. Math. Soc. (N.S.)*, 11(1):85–141, 1984.
- [224] P. E. Blanksby and H. L. Montgomery. Algebraic integers near the unit circle. *Acta Arith.*, 18:355–369, 1971.
- [225] H. F. Blichfeldt. The minimum value of quadratic forms, and the closest packing of spheres. *Math. Ann.*, 101(1):605–608, 1929.
- [226] E. Bombieri and W. Gubler. *Heights in Diophantine Geometry*. Number 4 in New Mathematical Monographs. Cambridge University Press, Cambridge, 2006.
- [227] E. Bombieri, D. Masser, and U. Zannier. Intersecting a curve with algebraic subgroups of multiplicative groups. *Internat. Math. Res. Notices*, (20):1119–1140, 1999.
- [228] E. Bombieri, D. Masser, and U. Zannier. Anomalous subvarieties—structure theorems and applications. *Int. Math. Res. Not. IMRN*, (19):Art. ID rnm057, 33, 2007.
- [229] E. Bombieri, D. Masser, and U. Zannier. On unlikely intersections of complex varieties with tori. *Acta Arith.*, 133(4):309–323, 2008.
- [230] A. Bonifant, J. Kiwi, and J. Milnor. Cubic polynomial maps with periodic critical orbit. II. Escape regions. *Conform. Geom. Dyn.*, 14:68–112, 2010.
- [231] A. Bonifant, J. Kiwi, and J. Milnor. Errata for “Cubic polynomial maps with periodic critical orbit, Part II: escape regions” [mr2600536]. *Conform. Geom. Dyn.*, 14:190–193, 2010.
- [232] A. M. Bonifant and M. Dabija. Self-maps of \mathbb{P}^2 with invariant elliptic curves. In *Complex manifolds and hyperbolic geometry (Guanajuato, 2001)*, volume 311 of *Contemp. Math.*, pages 1–25. Amer. Math. Soc., Providence, RI, 2002.
- [233] A. M. Bonifant and J. E. Fornæss. Growth of degree for iterates of rational maps in several variables. *Indiana Univ. Math. J.*, 49(2):751–778, 2000.
- [234] A. I. Borevich and I. R. Shafarevich. *Number Theory*. Translated from the Russian by Newcomb Greenleaf. Pure and Applied Mathematics, Vol. 20. Academic Press, New York, 1966.
- [235] A. Borisov. Geometrically nilpotent subvarieties. *Finite Fields Appl.*, 50:366–371, 2018.
- [236] G. Boros, M. Joyce, and V. Moll. A transformation of rational functions. *Elem. Math.*, 58(2):73–83, 2003.
- [237] G. Boros, J. Little, V. Moll, E. Mosteig, and R. Stanley. A map on the space of rational functions. *Rocky Mountain J. Math.*, 35(6):1861–1880, 2005.
- [238] S. Bosch, U. Güntzer, and R. Remmert. *Non-Archimedean analysis*, volume 261 of *Grundlehren der Mathematischen Wissenschaften*. Springer-Verlag, Berlin, 1984.
- [239] D. Bosio and F. Vivaldi. Round-off errors and p -adic numbers. *Nonlinearity*, 13(1):309–322, 2000.
- [240] W. Bosma, J. Cannon, and C. Playoust. The Magma algebra system. I. The user language. *J. Symbolic Comput.*, 24(3-4):235–265, 1997. Computational algebra and number theory (London, 1993).
- [241] J.-B. Bost. Théorie de l’intersection et théorème de Riemann-Roch arithmétiques. *Astérisque*, (201-203):Exp. No. 731, 43–88 (1992), 1991. Séminaire Bourbaki, Vol. 1990/91.
- [242] J.-B. Bost, H. Gillet, and C. Soulé. Heights of projective varieties and positive Green forms. *J. Amer. Math. Soc.*, 7(4):903–1027, 1994.

- [243] N. Boston and R. Jones. Arboreal Galois representations. *Geom. Dedicata*, 124:27–35, 2007.
- [244] L. Böttcher. The principal laws of convergence of iterates and their application to analysis (Russian). *Izv. Kazan.Fiz.-Mat. Obshch.*, 14:155–234, 1904.
- [245] S. Boucksom, C. Favre, and M. Jonsson. Degree growth of meromorphic surface maps. *Duke Math. J.*, 141(3):519–538, 2008.
- [246] S. Boucksom, C. Favre, and M. Jonsson. Degree growth of meromorphic surface maps. *Duke Math. J.*, 141(3):519–538, 2008.
- [247] S. Boukraa, J.-M. Maillard, and G. Rollet. Almost integrable mappings. *Internat. J. Modern Phys. B*, 8(1-2):137–174, 1994.
- [248] S. Boukraa, J.-M. Maillard, and G. Rollet. Determinantal identities on integrable mappings. *Internat. J. Modern Phys. B*, 8(16):2157–2201, 1994.
- [249] S. Boukraa, J.-M. Maillard, and G. Rollet. Integrable mappings and polynomial growth. *Phys. A*, 209(1-2):162–222, 1994.
- [250] N. Bourbaki. *Lie groups and Lie algebras. Chapters 4–6*. Elements of Mathematics (Berlin). Springer-Verlag, Berlin, 2002. Translated from the 1968 French original by Andrew Pressley.
- [251] N. Bourbaki. *Lie groups and Lie algebras. Chapters 7–9*. Elements of Mathematics (Berlin). Springer-Verlag, Berlin, 2005. Translated from the 1975 and 1982 French originals by Andrew Pressley.
- [252] J. Bourgain, A. Gamburd, and P. Sarnak. Markoff surfaces and strong approximation, 1, 2016. [arXiv:1607.01530](#).
- [253] J. Bourgain, A. Gamburd, and P. Sarnak. Markoff triples and strong approximation. *C. R. Math. Acad. Sci. Paris*, 354(2):131–135, 2016.
- [254] T. Bousch. *Sur quelques problèmes de dynamique holomorphe*. PhD thesis, Université de Paris-Sud, Centre d’Orsay, 1992.
- [255] I. Bouw, O. Ejder, and V. Karemaker. Dynamical Belyi maps and arboreal Galois groups, 2018. [arXiv:1811.10086](#).
- [256] G. Boxall, G. Jones, and H. Schmidt. Rational values of transcendental functions and arithmetic dynamics, 2018. [arXiv:1808.07676](#).
- [257] J. L. Boxall. Une propriété des hauteurs locales de Néron-tate sur les variété abéliennes. *J. Théor. Nombres Bordeaux*, 7(1):111–119, 1995.
- [258] D. W. Boyd. Mahler’s measure and special values of L -functions. *Experiment. Math.*, 7(1):37–82, 1998.
- [259] B. Breen, R. Jones, T. Occhipinti, and M. Yuen. Wild ramification in a family of low-degree extensions arising from iteration, 2015. [arXiv:1507.02269](#).
- [260] G. Bresciani. On the Bombieri–Lang conjecture over finitely generated fields, 2020. [arXiv:2012.15765](#).
- [261] A. Bridy. Transcendence of the Artin-Mazur zeta function for polynomial maps of $\mathbb{A}^1(\overline{\mathbb{F}}_p)$. *Acta Arith.*, 156(3):293–300, 2012.
- [262] A. Bridy. Zeta functions of polynomial dynamics on the algebraic closure of a finite field, 2012. [arXiv:1202.0362](#).
- [263] A. Bridy. The artin–mazur zeta function of a lattes map in positive characteristic, 2013. [arXiv:1306.5267](#).
- [264] A. Bridy, J. R. Doyle, D. Ghioca, L.-C. Hsia, and T. J. Tucker. Finite index theorems for iterated Galois groups of unicritical polynomials, 2018. [arXiv:1810.00990](#).
- [265] A. Bridy, J. R. Doyle, D. Ghioca, L.-C. Hsia, and T. J. Tucker. A question for iterated Galois groups in arithmetic dynamics, 2019. [arXiv:1910.02828](#).
- [266] A. Bridy and D. Garton. The cycle structure of unicritical polynomials, 2017. [arXiv:1801.03215](#).

- [267] A. Bridy and D. Garton. Dynamically distinguishing polynomials. *Res. Math. Sci.*, 4:Paper No. 13, 17, 2017.
- [268] A. Bridy, P. Ingram, R. Jones, J. Juul, A. Levy, M. Manes, S. Rubinstein-Salzedo, and J. H. Silverman. Finite ramification for preimage fields of post-critically finite morphisms. *Math. Res. Lett.*, 24(6):1633–1647, 2017.
- [269] A. Bridy, R. Jones, G. Kelsey, and R. Lodge. Iterated monodromy groups of rational functions and periodic points over finite fields, 2021. [arXiv:2107.10310](https://arxiv.org/abs/2107.10310).
- [270] A. Bridy and M. Larson. The Arakelov–Zhang pairing and Julia sets, 2019. [arXiv:1906.02654](https://arxiv.org/abs/1906.02654).
- [271] A. Bridy and T. J. Tucker. ABC implies a Zsigmondy principle for ramification. *J. Number Theory*, 182:296–310, 2018.
- [272] A. Bridy and T. J. Tucker. Finite index theorems for iterated Galois groups of cubic polynomials. *Math. Ann.*, 373(1-2):37–72, 2019.
- [273] J.-Y. Briend and J. Duval. Exposants de Liapounoff et distribution des points périodiques d’un endomorphisme de $\mathbb{C}\mathbb{P}^k$. *Acta Math.*, 182(2):143–157, 1999.
- [274] J.-Y. Briend and L.-C. Hsia. Weak Néron models for cubic polynomial maps over a non-Archimedean field. *Acta Arith.*, 153(4):415–428, 2012.
- [275] A. Broise and F. Paulin. Dynamique sur le rayon modulaire et fractions continues en caractéristique p , 2005. [ArXiv:math.GR/0511442](https://arxiv.org/abs/math/0511442).
- [276] N. Bruin and A. Molnar. Minimal models for rational functions in a dynamical setting. *LMS J. Comput. Math.*, 15:400–417, 2012.
- [277] J. Bryk and C. E. Silva. Measurable dynamics of simple p -adic polynomials. *Amer. Math. Monthly*, 112(3):212–232, 2005.
- [278] X. Buff. On postcritically finite unicritical polynomials, 2017. preprint, <https://www.math.univ-toulouse.fr/~buff/Preprints/Gleason/Gleason.pdf>.
- [279] X. Buff and A. Epstein. Bifurcation measure and postcritically finite rational maps. In *Complex dynamics*, pages 491–512. A K Peters, Wellesley, MA, 2009.
- [280] X. Buff, A. Epstein, and S. Koch. Irreducibility and postcritically finite unicritical polynomials, 2018. [arXiv.1806.11221](https://arxiv.org/abs/1806.11221).
- [281] X. Buff, A. Epstein, S. Koch, and K. Pilgrim. On Thurston’s pullback map. In *Complex dynamics*, pages 561–583. A K Peters, Wellesley, MA, 2009.
- [282] X. Buff, A. L. Epstein, and S. Koch. Böttcher coordinates. *Indiana Univ. Math. J.*, 61(5):1765–1799, 2012.
- [283] X. Buff, A. L. Epstein, and S. Koch. Twisted matings and equipotential gluings. *Ann. Fac. Sci. Toulouse Math. (6)*, 21(5):995–1031, 2012.
- [284] X. Buff, A. L. Epstein, S. Koch, D. Meyer, K. Pilgrim, M. Rees, and T. Lei. Questions about polynomial matings. *Ann. Fac. Sci. Toulouse Math. (6)*, 21(5):1149–1176, 2012.
- [285] X. Buff and T. Lei. The quadratic dynatomic curves are smooth and irreducible. In *Frontiers in complex dynamics*, volume 51 of *Princeton Math. Ser.*, pages 49–72. Princeton Univ. Press, Princeton, NJ, 2014.
- [286] Y. Bugeaud, P. Corvaja, and U. Zannier. An upper bound for the G.C.D. of $a^n - 1$ and $b^n - 1$. *Math. Z.*, 243(1):79–84, 2003.
- [287] A. Buium. Complex dynamics and invariant forms mod p . *Int. Math. Res. Not.*, (31):1889–1899, 2005.
- [288] A. Buium. Differential calculus with integers, 2013. [arXiv:1308.5194](https://arxiv.org/abs/1308.5194).
- [289] A. Buium and K. Zimmerman. Differential orbit spaces of discrete dynamical systems. *J. Reine Angew. Math.*, 580:201–230, 2005.
- [290] G. J. I. Burgos, P. Philippon, J. Rivera-Letelier, and M. Sombra. The distribution of Galois orbits of points of small height in toric varieties, 2015. [arXiv:1509.01011](https://arxiv.org/abs/1509.01011).

- [291] C. Burnette and E. Schmutz. Periods of iterated rational functions. *Int. J. Number Theory*, 13(5):1301–1315, 2017.
- [292] L. Busé. *Elimination theory in codimension one and applications*. Lecture Notes for the CIMPA-UNESCO-IRAN school in Zanjan, Iran, July 9-22, 2005. www-sop.inria.fr/galaad/personnel/Laurent.Buse/cours/cimpa.pdf.
- [293] M. Bush, W. Hindes, and N. Looper. Galois groups of iterates of some unicritical polynomials, 2016. [arXiv:1608.03328](https://arxiv.org/abs/1608.03328).
- [294] J. Byszewski and G. Cornelissen. Dynamics on abelian varieties in positive characteristic. *Algebra Number Theory*, 12(9):2185–2235, 2018.
- [295] J. Byszewski, G. Cornelissen, and M. Houben. Dynamically affine maps in positive characteristic. In *Dynamics: topology and numbers*, volume 744 of *Contemp. Math.*, pages 125–156. Amer. Math. Soc., [Providence], RI, [2020] ©2020.
- [296] J. Byszewski, G. Cornelissen, and M. Houben. Dynamics of endomorphisms of algebraic groups and related systems, 2022. [arXiv:2209.00085](https://arxiv.org/abs/2209.00085).
- [297] J. Byszewski, G. Cornelissen, R. Royals, and T. Ward. Dynamics on abelian varieties in positive characteristic, 2018. [arXiv:1802.07662](https://arxiv.org/abs/1802.07662).
- [298] J. Byszewski, G. Cornelissen, and D. Tijsma. Automata and finite order elements in the Nottingham group, 2020. [arXiv:2008.04971](https://arxiv.org/abs/2008.04971).
- [299] J. Cahn, R. Jones, and J. Spear. Powers in orbits of rational functions: cases of an arithmetic dynamical Mordell-Lang conjecture. *Canad. J. Math.*, 71(4):773–817, 2019.
- [300] J. Cai, B. Hutz, L. Mayer, and M. Weinreich. Automorphism groups of endomorphisms of $\mathbb{P}^1(\overline{\mathbb{F}}_p)$, 2020. [arXiv:2003.12113](https://arxiv.org/abs/2003.12113).
- [301] G. S. Call and S. W. Goldstine. Canonical heights on projective space. *J. Number Theory*, 63(2):211–243, 1997.
- [302] G. S. Call and J. H. Silverman. Canonical heights on varieties with morphisms. *Compositio Math.*, 89(2):163–205, 1993.
- [303] G. S. Call and J. H. Silverman. Computing the canonical height on $K3$ surfaces. *Math. Comp.*, 65(213):259–290, 1996.
- [304] F. Campagna and G. A. Dill. Around the support problem for Hilbert class polynomials, 2022. [arXiv:2204.13461](https://arxiv.org/abs/2204.13461).
- [305] J. K. Canci. Cycles for rational maps of good reduction outside a prescribed set. *Monatsh. Math.*, 149(4):265–287, 2006.
- [306] J. K. Canci. Finite orbits for rational functions. *Indag. Math. (N.S.)*, 18(2):203–214, 2007.
- [307] J. K. Canci. Rational periodic points for quadratic maps. *Ann. Inst. Fourier (Grenoble)*, 60(3):953–985, 2010.
- [308] J. K. Canci. Good reduction for endomorphisms of the projective line in terms of the branch locus, 2015. [arXiv:1505.05168](https://arxiv.org/abs/1505.05168).
- [309] J. K. Canci. Preperiodic points for rational functions defined over an algebraic function field of characteristic zero, 2015. [arXiv:1505.07753](https://arxiv.org/abs/1505.07753).
- [310] J. K. Canci and L. Paladino. On preperiodic points of rational functions defined over $\mathbb{F}_p(t)$, 2016. [arXiv:1601.07293](https://arxiv.org/abs/1601.07293).
- [311] J. K. Canci and L. Paladino. Preperiodic points for rational functions defined over a global field in terms of good reduction. *Proc. Amer. Math. Soc.*, 144(12):5141–5158, 2016.
- [312] J. K. Canci, G. Peruginelli, and D. Tossici. On some notions of good reduction for endomorphisms of the projective line. *Manuscripta Math.*, 141(1-2):315–331, 2013.
- [313] J. K. Canci, S. Troncoso, and S. Vishkautsan. Scarcity of finite orbits for rational functions over a number field. *Acta Arith.*, 190(3):221–237, 2019.

- [314] J. K. Canci and S. Vishkautsan. Quadratic maps with a periodic critical point of period 2. *Int. J. Number Theory*, 13(6):1393–1417, 2017.
- [315] J. K. Canci and S. Vishkautsan. Scarcity of cycles for rational functions over a number field. *Trans. Amer. Math. Soc.*, 371(1):335–356, 2019.
- [316] S. Cantat. Dynamique des automorphismes des surfaces $K3$. *Acta Math.*, 187(1):1–57, 2001.
- [317] S. Cantat. Sur les groupes de transformations birationnelles des surfaces. *Ann. of Math.* (2), 174(1):299–340, 2011.
- [318] S. Cantat. Automorphisms and dynamics: A list of open problems. 2018.
- [319] S. Cantat and A. Chambert-Loir. Dynamique p -adique (d’après les exposés de Jean-Christophe Yoccoz). In *Quelques aspects des systèmes dynamiques polynomiaux*, volume 30 of *Panor. Synthèses*, pages 295–341. Soc. Math. France, Paris, 2010.
- [320] S. Cantat and R. Dujardin. Finite orbits for large groups of automorphisms of projective surfaces, 2020. [arXiv:2012.01762](#).
- [321] S. Cantat and F. Loray. Dynamics on character varieties and Malgrange irreducibility of Painlevé VI equation. *Ann. Inst. Fourier (Grenoble)*, 59(7):2927–2978, 2009.
- [322] S. Cantat and K. Oguiso. Birational automorphism groups and the movable cone theorem for Calabi-Yau manifolds of Wehler type via universal Coxeter groups. *Amer. J. Math.*, 137(4):1013–1044, 2015.
- [323] S. Cantat and J. Xie. On degrees of birational mappings, 2018. [arXiv:1802.08470](#).
- [324] D. C. Cantor and E. G. Straus. On a conjecture of D. H. Lehmer. *Acta Arith.*, 42(1):97–100, 1982/83.
- [325] L. Caporaso, J. Harris, and B. Mazur. Uniformity of rational points. *J. Amer. Math. Soc.*, 10(1):1–35, 1997.
- [326] L. Caporaso, J. Harris, and B. Mazur. Uniformity of rational points: an up-date and corrections. *Tunis. J. Math.*, 4(1):183–201, 2022.
- [327] G. Cardona and J. Quer. Field of moduli and field of definition for curves of genus 2. In *Computational aspects of algebraic curves*, volume 13 of *Lecture Notes Ser. Comput.*, pages 71–83. World Sci. Publ., Hackensack, NJ, 2005.
- [328] L. Carleson and T. W. Gamelin. *Complex Dynamics*. Universitext: Tracts in Mathematics. Springer-Verlag, New York, 1993.
- [329] L. Carlitz. The number of points on certain cubic surfaces over a finite field. *Boll. Un. Mat. Ital.* (3), 12:19–21, 1957.
- [330] R. D. Carmichael. On the numerical factors of the arithmetic forms $\alpha^n \pm \beta^n$. *Ann. of Math.* (2), 15(1-4):30–48, 1913/14.
- [331] A. Carney. *The arithmetic Hodge-index theorem and rigidity of algebraic dynamical systems over function fields*. PhD thesis, Stanford University, 2018.
- [332] A. Carney. The Hodge index theorem for arithmetic intersections over function fields, 2018. [arXiv:1810.06342](#).
- [333] A. Carney. Heights and arithmetic dynamics over finitely generated fields, 2020. [arXiv:2010.07200](#).
- [334] A. Carney. Specialization of canonical heights on abelian varieties, 2021. [arXiv:2110.07664](#).
- [335] A. Carney, W. Hindes, and T. J. Tucker. Integral points in orbits in characteristic p , 2021. [arXiv:2108.03123](#).
- [336] A. Carter, M. Lalín, M. Manes, and A. B. Miller. Dynamical Mahler measure: A survey and some recent results, 2022. [arXiv:2204.04101](#).
- [337] A. Carter, M. Lalín, M. Manes, A. B. Miller, and L. Mocz. Two-variable polynomials with dynamical Mahler measure zero, 2021. [arXiv:2110.06496](#).

- [338] J. W. S. Cassels. Diophantine equations with special reference to elliptic curves. *J. London Math. Soc.*, 41:193–291, 1966.
- [339] J. W. S. Cassels. *Lectures on Elliptic Curves*, volume 24 of *London Mathematical Society Student Texts*. Cambridge University Press, Cambridge, 1991.
- [340] J. W. S. Cassels. *An introduction to the geometry of numbers*. Classics in Mathematics. Springer-Verlag, Berlin, 1997. Corrected reprint of the 1971 edition.
- [341] J. W. S. Cassels and A. Fröhlich, editors. *Algebraic Number Theory*, London, 1986. Academic Press Inc. [Harcourt Brace Jovanovich Publishers]. Reprint of the 1967 original.
- [342] M. Castillo Fernandez, X. Vidaux, and C. R. Videla. Julia Robinson numbers and arithmetical dynamic of quadratic polynomials, 2017. [arXiv:1711.00490](https://arxiv.org/abs/1711.00490).
- [343] A. Cerbu, E. Gunther, M. Magee, and L. Peilen. The cycle structure of a Markoff automorphism over finite fields. *J. Number Theory*, 211:1–27, 2020.
- [344] M. Cerchia and J. Rouse. Uniform bounds on the image of arboreal Galois representations attached to non-CM elliptic curves, 2019. [arXiv:1909.07468](https://arxiv.org/abs/1909.07468).
- [345] C. Chabauty. Sur les points rationnels des courbes algébriques de genre supérieur à l’unité. *C. R. Acad. Sci. Paris*, 212:882–885, 1941.
- [346] O. A. Chalykh. Some properties of polynomial mappings that are connected with Lie algebras. *Vestnik Moskov. Univ. Ser. I Mat. Mekh.*, (3):57–59, 1988.
- [347] K. Chamberlin, E. Colbert, S. Frechette, P. Hefferman, R. Jones, and S. Orchard. Newly reducible iterates in families of quadratic polynomials. *Involve*, 5(4):481–495, 2012.
- [348] A. Chambert-Loir. Mesures et équidistribution sur les espaces de Berkovich. *J. Reine Angew. Math.*, 595:215–235, 2006.
- [349] A. Chambert-Loir. Mesures et équidistribution sur les espaces de Berkovich. *J. Reine Angew. Math.*, 595:215–235, 2006.
- [350] A. Chambert-Loir. Théorèmes d’équidistribution pour les systèmes dynamiques d’origine arithmétique. In *Quelques aspects des systèmes dynamiques polynomiaux*, volume 30 of *Panor. Synthèses*, pages 203–294. Soc. Math. France, Paris, 2010.
- [351] A. Chambert-Loir. Formes différentielles réelles et courants sur les espaces de Berkovich, 2012. [arXiv:1204.6277](https://arxiv.org/abs/1204.6277).
- [352] A. Chambert-Loir. Arakelov geometry, heights, equidistribution, and the Bogomolov conjecture, 2019. [arXiv:1904.05630](https://arxiv.org/abs/1904.05630).
- [353] A. Chambert-Loir and A. Thuillier. Formule de Mahler et équidistribution logarithmique, 2006. [ArXiv:math.NT/0612556](https://arxiv.org/abs/math.NT/0612556).
- [354] A. Chambert-Loir and A. Thuillier. Mesures de Mahler et équidistribution logarithmique. *Ann. Inst. Fourier (Grenoble)*, 59(3):977–1014, 2009.
- [355] M.-C. Chang. On periods modulo p in arithmetic dynamics. *C. R. Math. Acad. Sci. Paris*, 353(4):283–285, 2015.
- [356] M.-C. Chang, C. D’Andrea, A. Ostafe, I. E. Shparlinski, and M. n. Sombra. Orbits of polynomial dynamical systems modulo primes. *Proc. Amer. Math. Soc.*, 146(5):2015–2025, 2018.
- [357] G. Chassé. Combinatorial cycles of a polynomial map over a commutative field. *Discrete Math.*, 61(1):21–26, 1986.
- [358] Z. Chatzidakis and E. Hrushovski. Difference fields and descent in algebraic dynamics. I, II. *J. Inst. Math. Jussieu*, 7(4):653–686, 687–704, 2008.
- [359] S. Chaubey, E. Fuchs, R. Hines, and K. E. Stange. The dynamics of super-Apollonian continued fractions, 2017. [arXiv:1703.08616](https://arxiv.org/abs/1703.08616).
- [360] S. Checcoli and M. Widmer. On the Northcott property and other properties related to polynomial mappings, 2011. [arXiv:1111.5060](https://arxiv.org/abs/1111.5060).

- [361] A. S. Chen, T. A. Gassert, and K. E. Stange. Index divisibility in dynamical sequences and cyclic orbits modulo p . *New York J. Math.*, 23:1045–1063, 2017.
- [362] E. Chen. Avoiding algebraic integers of bounded house in orbits of rational functions over cyclotomic closures. *Proc. Amer. Math. Soc.*, 146(10):4189–4198, 2018.
- [363] W. Chen. Nonabelian level structures, Nielsen equivalence, and Markoff triples, 2021. [arXiv:2011.12940](https://arxiv.org/abs/2011.12940).
- [364] C. C.-a. Cheng, J. H. McKay, and S. S. S. Wang. A chain rule for multivariable resultants. *Proc. Amer. Math. Soc.*, 123(4):1037–1047, 1995.
- [365] W. Cherry and C.-C. Yang, editors. *Value distribution theory and complex dynamics*, volume 303 of *Contemporary Mathematics*, Providence, RI, 2002. American Mathematical Society.
- [366] C. Chevalley. Invariants of finite groups generated by reflections. *Amer. J. Math.*, 77:778–782, 1955.
- [367] I. Chio. Chromatic zeros on hierarchical lattices and equidistribution on parameter space, 2021. [arXiv:1904.02195](https://arxiv.org/abs/1904.02195).
- [368] A. Chlopecki, J. Levier-Gomes, W. Peng, A. Shearer, and A. Towsley. Permutation polynomials: iteration of shift and inversion maps over finite fields, 2019. [arXiv:1910.12928](https://arxiv.org/abs/1910.12928).
- [369] I. Cho. On dynamical systems induced by p -adic number fields. *Opuscula Math.*, 35(4):445–484, 2015.
- [370] I. Cho. Semicircular-like and semicircular elements induced by p -adic analytic dynamical systems. *Pure Appl. Funct. Anal.*, 4(3):495–533, 2019.
- [371] V. Chothi, G. Everest, and T. Ward. S -integer dynamical systems: periodic points. *J. Reine Angew. Math.*, 489:99–132, 1997.
- [372] W.-S. Chou and I. E. Shparlinski. On the cycle structure of repeated exponentiation modulo a prime. *J. Number Theory*, 107(2):345–356, 2004.
- [373] A. Chowla. Contributions to the analytic theory of numbers (II). *J. Indian Math. Soc.*, 20:120–128, 1933.
- [374] C. Ciliberto and F. Flamini. On the branch curve of a general projection of a surface to a plane. *Trans. Amer. Math. Soc.*, 363(7):3457–3471, 2011.
- [375] Z. Coelho and W. Parry. Ergodicity of p -adic multiplications and the distribution of Fibonacci numbers. In *Topology, Ergodic Theory, Real Algebraic Geometry*, volume 202 of *Amer. Math. Soc. Transl. Ser. 2*, pages 51–70. Amer. Math. Soc., Providence, RI, 2001.
- [376] H. Cohen. *A Course in Computational Algebraic Number Theory*, volume 138 of *Graduate Texts in Mathematics*. Springer-Verlag, Berlin, 1993.
- [377] H. Cohen. *Advanced Topics in Computational Number Theory*, volume 193 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 2000.
- [378] S. D. Cohen and D. Hachenberger. Actions of linearized polynomials on the algebraic closure of a finite field. In *Finite Fields: Theory, Applications, and Algorithms (Waterloo, ON, 1997)*, volume 225 of *Contemp. Math.*, pages 17–32. Amer. Math. Soc., Providence, RI, 1999.
- [379] S. D. Cohen and D. Hachenberger. The dynamics of linearized polynomials. *Proc. Edinburgh Math. Soc. (2)*, 43(1):113–128, 2000.
- [380] H. Cohn. Minimal geodesics on Fricke’s torus-covering. In *Riemann surfaces and related topics: Proceedings of the 1978 Stony Brook Conference (State Univ. New York, Stony Brook, N.Y., 1978)*, volume 97 of *Ann. of Math. Stud.*, pages 73–85, Princeton, N.J., 1981. Princeton Univ. Press.
- [381] O. Colón-Reyes, A. Jarrar, R. Laubenbacher, and B. Sturmfels. Monomial dynamical systems over finite fields. *Complex Systems*, 16(4):333–342, 2006.

- [382] D. Coman. On the dynamics of a class of quadratic polynomial automorphisms of \mathbb{C}^3 . *Discrete Contin. Dyn. Syst.*, 8(1):55–67, 2002.
- [383] D. Coman and J. E. Fornæss. Green’s functions for irregular quadratic polynomial automorphisms of \mathbb{C}^3 . *Michigan Math. J.*, 46(3):419–459, 1999.
- [384] T. Combs. *Arboreal Galois Representations*. PhD thesis, University of Hawai’i at Manoa, 2018.
- [385] C. Consani and M. Marcolli. Noncommutative geometry, dynamics, and ∞ -adic Arakelov geometry. *Selecta Math. (N.S.)*, 10(2):167–251, 2004.
- [386] J. H. Conway and N. J. A. Sloane. *Sphere packings, lattices and groups*, volume 290 of *Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Sciences]*. Springer-Verlag, New York, third edition, 1999. With additional contributions by E. Bannai, R. E. Borcherds, J. Leech, S. P. Norton, A. M. Odlyzko, R. A. Parker, L. Queen and B. B. Venkov.
- [387] K. Cordwell, S. Gilbertson, N. Nuechterlein, K. M. Pilgrim, and S. Pinella. On the classification of critically fixed rational maps. *Conform. Geom. Dyn.*, 19:51–94, 2015.
- [388] P. Corvaja, J. Demeio, D. Masser, and U. Zannier. On the torsion values for sections of an elliptic scheme, 2019. [arXiv:1909.01253](https://arxiv.org/abs/1909.01253).
- [389] P. Corvaja, D. Ghioca, T. Scanlon, and U. Zannier. The dynamical Mordell–Lang conjecture for endomorphisms of semiabelian varieties defined over fields of positive characteristic. *J. Inst. Math. Jussieu*, 20(2):669–698, 2021.
- [390] P. Corvaja and U. Zannier. Finiteness theorems on elliptical billiards and a variant of the dynamical Mordell–Lang conjecture, 2021. [arXiv:2103.11347](https://arxiv.org/abs/2103.11347).
- [391] M. d. Courcy-Ireland. Non-planarity of Markoff graphs mod p , 2021. [arXiv:2105.12411](https://arxiv.org/abs/2105.12411).
- [392] M. d. Courcy-Ireland and S. Lee. Experiments with the Markoff surface, 2018. [arXiv:1812.07275](https://arxiv.org/abs/1812.07275).
- [393] M. d. Courcy-Ireland and M. Magee. Kesten–McKay law for the Markoff surface mod p , 2018. [arXiv:1811.00113](https://arxiv.org/abs/1811.00113).
- [394] J.-M. Couveignes. Calcul et rationalité de fonctions de Belyï en genre 0. *Ann. Inst. Fourier (Grenoble)*, 44(1):1–38, 1994.
- [395] D. Cox, J. Little, and D. O’Shea. *Ideals, Varieties, and Algorithms*. Undergraduate Texts in Mathematics. Springer-Verlag, New York, 1997.
- [396] D. A. Cox, J. Little, and D. O’Shea. *Using algebraic geometry*, volume 185 of *Graduate Texts in Mathematics*. Springer, New York, second edition, 2005.
- [397] D. A. Cox and S. Zucker. Intersection numbers of sections of elliptic surfaces. *Invent. Math.*, 53(1):1–44, 1979.
- [398] J. E. Cremona. On the Galois groups of the iterates of $x^2 + 1$. *Mathematika*, 36(2):259–261 (1990), 1989.
- [399] J. E. Cremona, M. Prickett, and S. Siksek. Height difference bounds for elliptic curves over number fields. *J. Number Theory*, 116(1):42–68, 2006.
- [400] M. Dabija and M. Jonsson. Algebraic webs invariant under endomorphisms. *Publ. Mat.*, 54(1):137–148, 2010.
- [401] P. D’Ambros, G. Everest, R. Miles, and T. Ward. Dynamical systems arising from elliptic curves. *Colloq. Math.*, 84/85(, part 1):95–107, 2000.
- [402] C. D’Andrea, A. Ostafe, I. E. Shparlinski, and M. Sombra. Reductions modulo primes of systems of polynomial equations and algebraic dynamical systems. *Trans. Amer. Math. Soc.*, 371(2):1169–1198, 2019.
- [403] N.-B. Dang. Degree growth for tame automorphisms of an affine quadric threefold, 2018. [arXiv:1810.09094](https://arxiv.org/abs/1810.09094).

- [404] N.-B. Dang. Degrees of iterates of rational maps on normal projective varieties, 2018. [arXiv:1701.07760](#).
- [405] N.-B. Dang, D. Ghioca, F. Hu, J. Lesieutre, and M. Satriano. Higher arithmetic degrees of dominant rational self-maps, 2019. [arXiv:1906.11188](#).
- [406] N.-B. Dang and R. Ramadas. Dynamical invariants of toric correspondences, 2019. [arXiv:1905.05026](#).
- [407] L. Danielson and B. Fein. On the irreducibility of the iterates of $x^n - b$. *Proc. Amer. Math. Soc.*, 130(6):1589–1596 (electronic), 2002.
- [408] Q.-D. Dao. Brauer–Manin obstruction for Markoff-type cubic surfaces, 2022. [arXiv:2202.07142](#).
- [409] S. David. Minorations de hauteurs sur les variétés abéliennes. *Bull. Soc. Math. France*, 121(4):509–544, 1993.
- [410] S. David. Points de petite hauteur sur les courbes elliptiques. *J. Number Theory*, 64(1):104–129, 1997.
- [411] S. David and M. Hindry. Minoration de la hauteur de Néron-Tate sur les variétés abéliennes de type C. M. *J. Reine Angew. Math.*, 529:1–74, 2000.
- [412] S. David and P. Philippon. Minorations des hauteurs normalisées des sous-variétés de variétés abéliennes. In *Number theory (Tiruchirapalli, 1996)*, volume 210 of *Contemp. Math.*, pages 333–364. Amer. Math. Soc., Providence, RI, 1998.
- [413] S. David and P. Philippon. Minorations des hauteurs normalisées des sous-variétés de variétés abéliennes. II. *Comment. Math. Helv.*, 77(4):639–700, 2002.
- [414] S. David and P. Philippon. Minorations des hauteurs normalisées des sous-variétés des puissances des courbes elliptiques. *Int. Math. Res. Pap. IMRP*, (3):Art. ID rpm006, 113, 2007.
- [415] J. A. de Faria and B. Hutz. Combinatorics of cycle lengths on Wehler K3 surfaces over finite fields. *New Zealand J. Math.*, 45:19–31, 2015.
- [416] J. a. A. de Faria and B. Hutz. Automorphism groups and invariant theory on \mathbb{P}^N . *J. Algebra Appl.*, 17(9):1850162, 38, 2018.
- [417] A. J. de Jong. The period-index problem for the Brauer group of an algebraic surface. *Duke Math. J.*, 123(1):71–94, 2004.
- [418] L. De Marco. Dynamical moduli spaces and elliptic curves. *Ann. Fac. Sci. Toulouse Math. (6)*, 27(2):389–420, 2018. KAWA 2015 Pisa.
- [419] L. De Marco and D. Ghioca. Rationality of dynamical canonical height. *Ergodic Theory Dynam. Systems*, 39(9):2507–2540, 2019.
- [420] S. De Smedt and A. Khrennikov. A p -adic behaviour of dynamical systems. *Rev. Mat. Complut.*, 12(2):301–323, 1999.
- [421] P. Dèbes and J.-C. Douai. Algebraic covers: field of moduli versus field of definition. *Ann. Sci. École Norm. Sup. (4)*, 30(3):303–338, 1997.
- [422] P. Dèbes and J.-C. Douai. Local-global principles for algebraic covers. *Israel J. Math.*, 103:237–257, 1998.
- [423] P. Dèbes and J.-C. Douai. Gerbes and covers. *Comm. Algebra*, 27(2):577–594, 1999.
- [424] P. Dèbes and D. Harbater. Fields of definition of p -adic covers. *J. Reine Angew. Math.*, 498:223–236, 1998.
- [425] L. DeMarco. Dynamics of rational maps: Lyapunov exponents, bifurcations, and capacity. *Math. Ann.*, 326(1):43–73, 2003.
- [426] L. DeMarco. Iteration at the boundary of the space of rational maps. *Duke Math. J.*, 130(1):169–197, 2005.
- [427] L. DeMarco. The moduli space of quadratic rational maps. *J. Amer. Math. Soc.*, 20(2):321–355, 2007.

- [428] L. DeMarco. Bifurcations, intersections, and heights. *Algebra Number Theory*, 10(5):1031–1056, 2016.
- [429] L. DeMarco, D. Ghioca, H. Krieger, K. Nguyen, T. Tucker, and H. Ye. Bounded height in families of dynamical systems, 2017. [arXiv:1703.05365](#).
- [430] L. DeMarco, H. Krieger, and H. Ye. Common preperiodic points for quadratic polynomials, 2019. [arXiv:1911.02458](#).
- [431] L. DeMarco, H. Krieger, and H. Ye. Uniform Manin–Mumford for a family of genus 2 curves, 2019. [arXiv:1901.09945](#).
- [432] L. DeMarco and N. M. Mavraki. Variation of canonical height and equidistribution, 2017. [arXiv:1701.07947](#).
- [433] L. DeMarco and N. M. Mavraki. Elliptic surfaces and arithmetic equidistribution for \mathbb{R} -divisors on curves, 2020. [arXiv:2012.14529](#).
- [434] L. DeMarco and N. M. Mavraki. Variation of canonical height on \mathbb{P}^1 for fatou points, 2021. [arXiv:2107.05982](#).
- [435] L. DeMarco and K. Pilgrim. Critical heights on the moduli space of polynomials. *Adv. Math.*, 226(1):350–372, 2011.
- [436] L. DeMarco and R. Rumely. Transfinite diameter and the resultant. *J. Reine Angew. Math.*, 611:145–161, 2007.
- [437] L. DeMarco, X. Wang, and H. Ye. Torsion points and the Lattès family, 2013. [arXiv:1311.1792](#).
- [438] D. DeMark, W. Hindes, R. Jones, M. Misplon, and M. Stoneman. Eventually stable quadratic polynomials over \mathbb{Q} , 2019. [arXiv:1902.09220](#).
- [439] C. Deninger. Deligne periods of mixed motives, K -theory and the entropy of certain \mathbb{Z}^n -actions. *J. Amer. Math. Soc.*, 10(2):259–281, 1997.
- [440] C. Deninger. Some analogies between number theory and dynamical systems on foliated spaces. In *Proceedings of the International Congress of Mathematicians, Vol. I (Berlin, 1998)*, number Extra Vol. I, pages 163–186 (electronic), 1998.
- [441] C. Deninger. On dynamical systems and their possible significance for arithmetic geometry. In *Regulators in Analysis, Geometry and Number Theory*, volume 171 of *Progr. Math.*, pages 29–87. Birkhäuser Boston, Boston, MA, 2000.
- [442] C. Deninger. Number theory and dynamical systems on foliated spaces. *Jahresber. Deutsch. Math.-Verein.*, 103(3):79–100, 2001.
- [443] C. Deninger. A note on arithmetic topology and dynamical systems. In *Algebraic Number Theory and Algebraic Geometry*, volume 300 of *Contemp. Math.*, pages 99–114. Amer. Math. Soc., Providence, RI, 2002.
- [444] C. Deninger. Arithmetic geometry and analysis on foliated spaces, 2005. unpublished, [ArXiv:math.NT/0505354](#).
- [445] C. Deninger. A dynamical systems analogue of Lichtenbaum’s conjectures on special values of Hasse-Weil zeta functions, 2006. [ArXiv:math.NT/0605724](#).
- [446] C. Deninger. Fuglede-Kadison determinants and entropy for actions of discrete amenable groups. *J. Amer. Math. Soc.*, 19(3):737–758 (electronic), 2006.
- [447] L. Denis. Géométrie et suites récurrentes. *Bull. Soc. Math. France*, 122(1):13–27, 1994.
- [448] L. Denis. Points périodiques des automorphismes affines. *J. Reine Angew. Math.*, 467:157–167, 1995.
- [449] J. Déserti. Degree growth of polynomial automorphisms and birational maps: some examples. *Eur. J. Math.*, 4(1):200–211, 2018.
- [450] R. Devaney. *An Introduction to Chaotic Dynamical Systems*. Addison-Wesley, Redwood City, CA, 2nd edition, 1989.
- [451] H. Diao and C. E. Silva. Digraph representations of rational functions over the p -adic numbers. *P-Adic Numbers Ultrametric Anal. Appl.*, 3(1):23–38, 2011.

- [452] D. Dikranjan and A. Giordano Bruno. Discrete dynamical systems in group theory, 2012. preprint, to appear in the Proceedings of a Workshop on Infinite Groups.
- [453] D. Dikranjan and A. Giordano Bruno. Topological entropy and algebraic entropy for group endomorphisms. In *Proceedings ICTA2011*. Cambridge Scientific Publishers, 2012. Islamabad, Pakistan, July 4–10, 2011.
- [454] D. Dikranjan and A. Giordano Bruno. Topological entropy and algebraic entropy for group endomorphisms, 2013. [arXiv:1308.4019](#).
- [455] D. Dikranjan, A. Giordano Bruno, and S. Virili. A uniform approach to chaos, 2012. preprint.
- [456] D. Dikranjan, B. Goldsmith, L. Salce, and P. Zanardo. Algebraic entropy for abelian groups. *Trans. Amer. Math. Soc.*, 361(7):3401–3434, 2009.
- [457] J. Diller and C. Favre. Dynamics of bimeromorphic maps of surfaces. *Amer. J. Math.*, 123(6):1135–1169, 2001.
- [458] V. Dimitrov. A lower bound on the orbit growth of a regular self-map of affine space, 2013. [arXiv:1311.4133](#).
- [459] V. Dimitrov. Silverman’s conjecture for additive polynomial mappings, 2015. [arXiv:1511.04061](#).
- [460] V. Dimitrov. Convergence to the mahler measure and the distribution of periodic points for algebraic noetherian \mathbb{Z}^d -actions, 2016. [arXiv:1611.04664](#).
- [461] V. Dimitrov, Z. Gao, and P. Habegger. Uniformity in Mordell–Lang for curves, 2020. [arXiv:2001.10276](#).
- [462] V. Dimitrov and P. Habegger. Galois orbits of torsion points near atoral sets, 2019. [arXiv:1909.06051](#).
- [463] Z. Ding and M. E. Zieve. A new family of exceptional rational functions, 2021. [arXiv:2103.07955](#).
- [464] T.-C. Dinh. Sur les applications de Lattès de \mathbb{P}^k . *J. Math. Pures Appl. (9)*, 80(6):577–592, 2001.
- [465] T.-C. Dinh. Sur les endomorphismes polynomiaux permutables de \mathbb{C}^2 . *Ann. Inst. Fourier (Grenoble)*, 51(2):431–459, 2001.
- [466] T.-C. Dinh. Distribution des préimages et des points périodiques d’une correspondance polynomiale. *Bull. Soc. Math. France*, 133(3):363–394, 2005.
- [467] T.-C. Dinh and V.-A. Nguyễn. Comparison of dynamical degrees for semi-conjugate meromorphic maps. *Comment. Math. Helv.*, 86(4):817–840, 2011.
- [468] T.-C. Dinh, V.-A. Nguyễn, and T. T. Truong. On the dynamical degrees of meromorphic maps preserving a fibration. *Commun. Contemp. Math.*, 14(6):1250042, 18, 2012.
- [469] T.-C. Dinh and N. Sibony. Sur les endomorphismes holomorphes permutables de \mathbb{P}^k . *Math. Ann.*, 324(1):33–70, 2002.
- [470] T.-C. Dinh and N. Sibony. Dynamique des applications polynomiales semi-régulières. *Ark. Mat.*, 42(1):61–85, 2004.
- [471] T.-C. Dinh and N. Sibony. Regularization of currents and entropy. *Ann. Sci. École Norm. Sup. (4)*, 37(6):959–971, 2004.
- [472] T.-C. Dinh and N. Sibony. Une borne supérieure pour l’entropie topologique d’une application rationnelle. *Ann. of Math. (2)*, 161(3):1637–1644, 2005.
- [473] T.-C. Dinh and N. Sibony. Upper bound for the topological entropy of a meromorphic correspondence. *Israel J. Math.*, 163:29–44, 2008.
- [474] T.-C. Dinh and N. Sibony. Dynamics in several complex variables: endomorphisms of projective spaces and polynomial-like mappings. In *Holomorphic dynamical systems*, volume 1998 of *Lecture Notes in Math.*, pages 165–294. Springer, Berlin, 2010.
- [475] T.-C. Dinh and N. Sibony. Equidistribution problems in complex dynamics of higher dimension. *Internat. J. Math.*, 28(7):1750057, 31, 2017.

- [476] P. Dittmann and B. Kadets. Odoni’s conjecture on arboreal Galois representations is false, 2020. [arXiv:2012.03076](#).
- [477] Z. Divišová. On cycles of polynomials with integral rational coefficients. *Math. Slovaca*, 52(5):537–540, 2002.
- [478] E. Dobrowolski. On a question of Lehmer and the number of irreducible factors of a polynomial. *Acta Arith.*, 34:391–401, 1979.
- [479] M. M. Dodson and J. A. G. Vickers, editors. *Number Theory and Dynamical Systems*, Cambridge, 1989. Cambridge University Press. Papers from the meeting held at the University of York, York, March 30–April 15, 1987.
- [480] K. Doerksen and A. Haensch. Primitive prime divisors in zero orbits of polynomials. *Integers*, 12(3):465–472, 2012.
- [481] M. Dogan. On dynamical behavior of the p -adic λ -Ising model on Cayley tree. *Zh. Mat. Fiz. Anal. Geom.*, 15(3):321–335, 2019.
- [482] I. Dolgachev. *Lectures on invariant theory*, volume 296 of *London Mathematical Society Lecture Note Series*. Cambridge University Press, Cambridge, 2003.
- [483] I. V. Dolgachev and Y. Hu. Variation of geometric invariant theory quotients. *Inst. Hautes Études Sci. Publ. Math.*, (87):5–56, 1998. With an appendix by Nicolas Ressayre.
- [484] V. Dolotin and A. Morozov. Algebraic geometry of discrete dynamics. The case of one variable. ITEP-TH-02/05.
- [485] Y. n. Doröz, J. Hoffstein, J. Pipher, J. H. Silverman, B. Sunar, W. Whyte, and Z. Zhang. Fully homomorphic encryption from the finite field isomorphism problem. In *Public-key cryptography—PKC 2018. Part I*, volume 10769 of *Lecture Notes in Comput. Sci.*, pages 125–155. Springer, Cham, 2018.
- [486] V. Dose, P. Mercuri, A. Pal, and C. Stirpe. High order elements in finite fields arising from recursive towers, 2020. [arXiv:2009.10572](#).
- [487] A. Douady and J. H. Hubbard. Exploring the Mandelbrot set. The Orsay notes. www.math.cornell.edu/~hubbard/OrsayEnglish.pdf.
- [488] A. Douady and J. H. Hubbard. Itération des polynômes quadratiques complexes. *C. R. Acad. Sci. Paris Sér. I Math.*, 294(3):123–126, 1982.
- [489] A. Douady and J. H. Hubbard. *Étude dynamique des polynômes complexes. Partie I*, volume 84 of *Publications Mathématiques d’Orsay [Mathematical Publications of Orsay]*. Université de Paris-Sud, Département de Mathématiques, Orsay, 1984.
- [490] A. Douady and J. H. Hubbard. *Étude dynamique des polynômes complexes. Partie II*, volume 85 of *Publications Mathématiques d’Orsay [Mathematical Publications of Orsay]*. Université de Paris-Sud, Département de Mathématiques, Orsay, 1985. With the collaboration of P. Lavaurs, Tan Lei and P. Sentenac.
- [491] A. Douady and J. H. Hubbard. A proof of Thurston’s topological characterization of rational functions. *Acta Math.*, 171(2):263–297, 1993.
- [492] J. R. Doyle. Preperiodic points for quadratic polynomials with small cycles over quadratic fields, 2015. [arXiv:1509.07098](#).
- [493] J. R. Doyle. Preperiodic portraits for unicritical polynomials. *Proc. Amer. Math. Soc.*, 144(7):2885–2899, 2016.
- [494] J. R. Doyle. Preperiodic points for quadratic polynomials over cyclotomic quadratic fields, 2018. [arXiv:1801.09003](#).
- [495] J. R. Doyle. Preperiodic portraits for unicritical polynomials over a rational function field. *Trans. Amer. Math. Soc.*, 370(5):3265–3288, 2018.
- [496] J. R. Doyle. Dynamical modular curves for quadratic polynomial maps. *Trans. Amer. Math. Soc.*, 371(8):5655–5685, 2019.

- [497] J. R. Doyle and X. Faber. New families satisfying the dynamical uniform boundedness principle over function fields, 2022. [arXiv:2203.06205](#).
- [498] J. R. Doyle, X. Faber, and D. Krumm. Preperiodic points for quadratic polynomials over quadratic fields. *New York J. Math.*, 20:507–605, 2014.
- [499] J. R. Doyle, P. Fili, and T. Hyde. Dynatomic polynomials, necklace operators, and universal relations for dynamical units, 2021. [arXiv:2108.09333](#).
- [500] J. R. Doyle and T. Hyde. Polynomials with many rational preperiodic points, 2022. [arXiv:2201.11707](#).
- [501] J. R. Doyle, K. Jacobs, and R. Rumely. Configuration of the crucial set for a quadratic rational map, 2015. [arXiv:1507.03535](#).
- [502] J. R. Doyle, H. Krieger, A. Obus, R. Pries, S. Rubinstein-Salzedo, and L. West. Reduction of dynatomic curves. *Ergodic Theory Dynam. Systems*, 39(10):2717–2768, 2019.
- [503] J. R. Doyle and B. Poonen. Gonality of dynatomic curves and strong uniform boundedness of preperiodic points. *Compos. Math.*, 156(4):733–743, 2020.
- [504] J. R. Doyle and J. H. Silverman. A uniform field-of-definition/field-of-moduli bound for dynamical systems on \mathbb{P}^N . *J. Number Theory*, 195:1–22, 2019.
- [505] J. R. Doyle and J. H. Silverman. Moduli spaces for dynamical systems with portraits. *Illinois J. Math.*, 64(3):375–465, 2020.
- [506] B. Dragovich, A. Khrennikov, and D. Mihajlović. Linear fractional p -adic and adelic dynamical systems. *Rep. Math. Phys.*, 60(1):55–68, 2007.
- [507] B.-S. Du. Congruence identities arising from dynamical systems. *Appl. Math. Lett.*, 12(5):115–119, 1999.
- [508] B.-S. Du, S.-S. Huang, and M.-C. Li. Newton, Fermat, and exactly realizable sequences. *J. Integer Seq.*, 8(1):Article 05.1.2, 8 pp. (electronic), 2005.
- [509] B. Dubrovin and M. Mazzocco. Monodromy of certain Painlevé-VI transcendents and reflection groups. *Invent. Math.*, 141(1):55–147, 2000.
- [510] L. Ducrohet and V. B. Mehta. Density of vector bundles periodic under the action of Frobenius. *Bull. Sci. Math.*, 134(5):454–460, 2010.
- [511] R. Dujardin. Some problems of arithmetic origin in rational dynamics, 2018. [arXiv:1805.05632](#).
- [512] R. Dujardin and C. Favre. The dynamical Manin–Mumford problem for plane polynomial automorphisms. *J. Eur. Math. Soc. (JEMS)*, 19(11):3421–3465, 2017.
- [513] R. Dujardin and C. Favre. Degenerations of $\mathrm{SL}(2, \mathbb{C})$ representations and Lyapunov exponents. *Ann. H. Lebesgue*, 2:515–565, 2019.
- [514] D. S. Dummit and R. M. Foote. *Abstract algebra*. John Wiley & Sons, Inc., Hoboken, NJ, third edition, 2004.
- [515] C. Dupont. Exemples de Lattès et domaines faiblement sphériques de \mathbb{C}^n . *Manuscripta Math.*, 111(3):357–378, 2003.
- [516] F. Durand and F. Paccaut. Minimal polynomial dynamics on the set of 3-adic integers. *Bull. Lond. Math. Soc.*, 41(2):302–314, 2009.
- [517] R. Dvornicich and U. Zannier. Cyclotomic Diophantine problems (Hilbert irreducibility and invariant sets for polynomial maps). *Duke Math. J.*, 139(3):527–554, 2007.
- [518] M. Einsiedler, G. Everest, and T. Ward. Entropy and the canonical height. *J. Number Theory*, 91(2):256–273, 2001.
- [519] M. Einsiedler, G. Everest, and T. Ward. Morphic heights and periodic points. In *Number Theory (New York, 2003)*, pages 167–177. Springer, New York, 2004.
- [520] M. Einsiedler, G. Everest, and T. Ward. Periodic points for good reduction maps on curves. *Geom. Dedicata*, 106:29–41, 2004.
- [521] M. Einsiedler, E. Lindenstrauss, and A. Mohammadi. Diagonal actions in positive characteristic. *Duke Math. J.*, 169(1):117–175, 2020.

- [522] M. Einsiedler and T. Ward. Fitting ideals for finitely presented algebraic dynamical systems. *Aequationes Math.*, 60(1-2):57–71, 2000.
- [523] O. Ejder. Arithmetic monodromy groups of dynamical Belyi maps, 2022. arXiv: 2201.09005.
- [524] N. Elkies. Closed but not rational points of a real cubic. MathOverflow. <http://mathoverflow.net/questions/73537> (version: 2011-08-24).
- [525] N. Elkies. Nontorsion points of low height on elliptic curves over \mathbb{Q} , 2002. www.math.harvard.edu/~elkies/low_height.html.
- [526] J. S. Ellenberg, B. Lawrence, and A. Venkatesh. Sparsity of integral points on moduli spaces of varieties, 2021. arXiv:2109.01043.
- [527] A. N. Elsayy. Generalization of some arithmetical properties of Fermat–Euler dynamical systems, 2009. arXiv:0910.5704.
- [528] A. Epstein. Two videos on transversality, 1994. https://www.math.sunysb.edu/Videos/Einstein/video_4x3.php?f=406-19940913-Epstein, https://www.math.sunysb.edu/Videos/Einstein/video_4x3.php?f=406B-19940913-Epstein.
- [529] A. Epstein. Integrality and rigidity for postcritically finite polynomials. *Bull. Lond. Math. Soc.*, 44(1):39–46, 2012. With an appendix by Epstein and Bjorn Poonen.
- [530] A. L. Epstein. *Towers of finite type complex analytic maps*. ProQuest LLC, Ann Arbor, MI, 1993. Thesis (Ph.D.)—City University of New York.
- [531] P. Erdős. On some problems of Bellman and a theorem of Romanoff. *J. Chinese Math. Soc. (N.S.)*, 1:409–421, 1951.
- [532] P. Erdős, A. Granville, C. Pomerance, and C. Spiro. On the normal behavior of the iterates of some arithmetic functions. In *Analytic number theory (Allerton Park, IL, 1989)*, volume 85 of *Progr. Math.*, pages 165–204. Birkhäuser Boston, Boston, MA, 1990.
- [533] P. Erdős and P. Turan. Ein zahlentheoretischer Satz. *Bull. de l’institut de Math. et Méc. a l’université Konybycheff de Tomsk*, I:101–103, 1935.
- [534] P. Erdős and P. Turan. Über die vereinfachung eines Landauschen Satzes. *Bull. de l’institut de Math. et Méc. a l’université Konybycheff de Tomsk*, I:144–147, 1935.
- [535] A. Eremenko. Some functional equations connected with the iteration of rational functions. *Algebra i Analiz*, 1(4):102–116, 1989.
- [536] A. Eremenko. Brody curves omitting hyperplanes. *Ann. Acad. Sci. Fenn. Math.*, 35(2):565–570, 2010.
- [537] A. Eremenko and S. van Strien. Rational maps with real multipliers. *Trans. Amer. Math. Soc.*, 363(12):6453–6463, 2011.
- [538] G. Everest. On the elliptic analogue of Jensen’s formula. *J. London Math. Soc. (2)*, 59(1):21–36, 1999.
- [539] G. Everest and B. N. Fhlathúin. The elliptic Mahler measure. *Math. Proc. Cambridge Philos. Soc.*, 120(1):13–25, 1996.
- [540] G. Everest, R. Miles, S. Stevens, and T. Ward. Dirichlet series for finite combinatorial rank dynamics. *Trans. Amer. Math. Soc.*, 362(1):199–227, 2010.
- [541] G. Everest and C. Pinner. Bounding the elliptic Mahler measure. II. *J. London Math. Soc. (2)*, 58(1):1–8, 1998.
- [542] G. Everest and C. Pinner. Corrigendum: “Bounding the elliptic Mahler measure. II” [J. London Math. Soc. (2) **58** (1998), no. 1, 1–8.]. *J. London Math. Soc. (2)*, 62(2):640, 2000.
- [543] G. Everest, A. van der Poorten, Y. Puri, and T. Ward. Integer sequences and periodic points. *J. Integer Seq.*, 5(2):Article 02.2.3, 10 pp. (electronic), 2002.

- [544] G. Everest, A. van der Poorten, I. Shparlinski, and T. Ward. *Recurrence Sequences*, volume 104 of *Mathematical Surveys and Monographs*. American Mathematical Society, Providence, RI, 2003.
- [545] G. Everest and T. Ward. A dynamical interpretation of the global canonical height on an elliptic curve. *Experiment. Math.*, 7(4):305–316, 1998.
- [546] G. Everest and T. Ward. *Heights of polynomials and entropy in algebraic dynamics*. Springer-Verlag London Ltd., London, 1999.
- [547] J.-H. Evertse. On sums of S -units and linear recurrences. *Compositio Math.*, 53(2):225–244, 1984.
- [548] X. Faber. Rational functions with a unique critical point, 2011. [arXiv:1102.1433](#).
- [549] X. Faber. Topology and geometry of the Berkovich ramification locus for rational functions, 2011. [arXiv:1102.1432](#).
- [550] X. Faber. Topology and geometry of the Berkovich ramification locus for rational functions, II. *Math. Ann.*, 356(3):819–844, 2013.
- [551] X. Faber. Benedetto’s trick and existence of rational preperiodic structures for quadratic polynomials. *Proc. Amer. Math. Soc.*, 143(2):685–694, 2015.
- [552] X. Faber and A. Granville. Prime factors of dynamical sequences. *J. Reine Angew. Math.*, 661:189–214, 2011.
- [553] X. Faber, B. Hutz, P. Ingram, R. Jones, M. Manes, T. J. Tucker, and M. E. Zieve. Uniform bounds on pre-images under quadratic dynamical systems. *Math. Res. Lett.*, 16(1):87–101, 2009.
- [554] X. Faber, B. Hutz, and M. Stoll. On the number of rational iterated preimages of the origin under quadratic dynamical systems. *Int. J. Number Theory*, 7(7):1781–1806, 2011.
- [555] X. Faber, M. Manes, and B. Viray. Computing conjugating sets and automorphism groups of rational functions. *J. Algebra*, 423:1161–1190, 2015.
- [556] X. Faber, M. Manes, and L. Walton. An alternate proof of idempotent relations among periodic points and quotients. *J. Number Theory*, 205:44–49, 2019.
- [557] X. Faber, K. Pardue, and D. Zelinsky. Cross-ratios of scheme-valued points, 2020. [arXiv:2012.03073](#).
- [558] X. Faber and C. Petsche. Totally T -adic functions of small height, 2020. [arXiv:2003.05205](#).
- [559] X. Faber and A. Towsley. Newton’s method over global height fields, 2012. [arXiv:1212.6409](#).
- [560] X. Faber and J. F. Voloch. On the number of places of convergence for Newton’s method over number fields. *J. Théor. Nombres Bordeaux*, 23(2):387–401, 2011.
- [561] X. W. C. Faber. Equidistribution of dynamically small subvarieties over the function field of a curve. *Acta Arith.*, 137(4):345–389, 2009.
- [562] X. W. C. Faber. A remark on the effective Mordell conjecture and rational pre-images under quadratic dynamical systems. *C. R. Math. Acad. Sci. Paris*, 348(7-8):355–358, 2010.
- [563] S. Fabiani. Cycles for rational maps over global function fields with one prime of bad reduction, 2020. [arXiv:2010.03474](#).
- [564] N. Fagella and J. Llibre. Periodic points of holomorphic maps via Lefschetz numbers. *Trans. Amer. Math. Soc.*, 352(10):4711–4730, 2000.
- [565] N. Fakhruddin. Boundedness results for periodic points on algebraic varieties. *Proc. Indian Acad. Sci. Math. Sci.*, 111(2):173–178, 2001.
- [566] N. Fakhruddin. Questions on self maps of algebraic varieties. *J. Ramanujan Math. Soc.*, 18(2):109–122, 2003.

- [567] N. Fakhruddin. The algebraic dynamics of generic endomorphisms of \mathbb{P}^n . *Algebra Number Theory*, 8(3):587–608, 2014.
- [568] G. Faltings. Endlichkeitssätze für abelsche Varietäten über Zahlkörpern. *Invent. Math.*, 73(3):349–366, 1983.
- [569] G. Faltings. Finiteness theorems for abelian varieties over number fields. In *Arithmetic geometry (Storrs, Conn., 1984)*, pages 9–27. Springer, New York, 1986. Translated from the German original [Invent. Math. **73** (1983), no. 3, 349–366; *ibid.* **75** (1984), no. 2, 381] by Edward Shipz.
- [570] G. Faltings. Diophantine approximation on abelian varieties. *Ann. of Math. (2)*, 133:349–366, 1991.
- [571] G. Faltings. The general case of S. Lang’s conjecture. In *Barsotti Symposium in Algebraic Geometry (Abano Terme, 1991)*, volume 15 of *Perspect. Math.*, pages 175–182. Academic Press, San Diego, CA, 1994.
- [572] A. Fan, S. Fan, L. Liao, and Y. Wang. Minimality of p -adic rational maps with good reduction. *Discrete Contin. Dyn. Syst.*, 37(6):3161–3182, 2017.
- [573] A. Fan and L. Liao. On minimal decomposition of p -adic polynomial dynamical systems. *Adv. Math.*, 228(4):2116–2144, 2011.
- [574] S. Fan and L. Liao. Dynamics of the square mapping on the ring of p -adic integers, 2014. [arXiv:1408.4574](https://arxiv.org/abs/1408.4574).
- [575] S. Fan and L. Liao. Dynamics of convergent power series on the integral ring of a finite extension of \mathbb{Q}_p . *J. Differential Equations*, 259(4):1628–1648, 2015.
- [576] S. Fan and L. Liao. Rational map $ax + 1/x$ on the projective line over \mathbb{Q}_2 . *Sci. China Math.*, 61(12):2221–2236, 2018.
- [577] S. Fan and L. Liao. Rational map $ax + 1/x$ on the projective line over \mathbb{Q}_p . In *Advances in ultrametric analysis*, volume 704 of *Contemp. Math.*, pages 217–230. Amer. Math. Soc., Providence, RI, 2018.
- [578] S. Fan and Y. Wang. Dynamics of transcendental entire maps on Berkovich affine line. *J. Dynam. Differential Equations*, 25(1):217–229, 2013.
- [579] S. L. Fan and Y. F. Wang. Dynamics of commuting rational maps on Berkovich projective space over \mathbb{C}_p . *Acta Math. Sin. (Engl. Ser.)*, 29(8):1459–1478, 2013.
- [580] B. Farb and R. K. Dennis. *Noncommutative algebra*, volume 144 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 1993.
- [581] P. Fatou. Sur les équations fonctionnelles. *Bull. Soc. Math. France*, 47:161–271, 1919.
- [582] P. Fatou. Sur les équations fonctionnelles. *Bull. Soc. Math. France*, 48:33–94 and 208–314, 1920.
- [583] C. Favre. Classification of 2-dimensional contracting rigid germs and Kato surfaces. I. *J. Math. Pures Appl. (9)*, 79(5):475–514, 2000.
- [584] C. Favre. Les applications monomiales en deux dimensions. *Michigan Math. J.*, 51(3):467–475, 2003.
- [585] C. Favre and T. Gauthier. Distribution of postcritically finite polynomials, 2013. [arXiv:1302.0810](https://arxiv.org/abs/1302.0810).
- [586] C. Favre and T. Gauthier. Classification of special curves in the space of cubic polynomials. *Int. Math. Res. Not. IMRN*, (2):362—411, 2018.
- [587] C. Favre and T. Gauthier. Continuity of the Green function in meromorphic families of polynomials. *Algebra Number Theory*, 12(6):1471–1487, 2018.
- [588] C. Favre and T. Gauthier. The arithmetic of polynomial dynamical pairs, 2020. [arXiv:2004.13801](https://arxiv.org/abs/2004.13801).
- [589] C. Favre and M. Jonsson. Eigenvaluations. *Ann. Sci. École Norm. Sup. (4)*, 40(2):309–349, 2007.

- [590] C. Favre and M. Jonsson. Dynamical compactifications of \mathbb{C}^2 . *Ann. of Math. (2)*, 173(1):211–248, 2011.
- [591] C. Favre and M. Jonsson. Dynamical compactifications of \mathbb{C}^2 . *Ann. of Math. (2)*, 173(1):211–248, 2011.
- [592] C. Favre, J. Kiwi, and E. Trucco. A non-Archimedean Montel’s theorem. *Compos. Math.*, 148(3):966–990, 2012.
- [593] C. Favre and J. Rivera-Letelier. Théorème d’équidistribution de Brolin en dynamique p -adique. *C. R. Math. Acad. Sci. Paris*, 339(4):271–276, 2004.
- [594] C. Favre and J. Rivera-Letelier. Équidistribution quantitative des points de petite hauteur sur la droite projective. *Math. Ann.*, 335(2):311–361, 2006. Corrigendum: *Math. Ann.* 339 (2007), 799–801.
- [595] C. Favre and J. Rivera-Letelier. Théorie ergodique des fractions rationnelles sur un corps ultramétrique. *Proc. Lond. Math. Soc. (3)*, 100(1):116–154, 2010.
- [596] C. Favre and E. Wulcan. Degree growth of monomial maps and McMullen’s polytope algebra. *Indiana Univ. Math. J.*, 61(2):493–524, 2012.
- [597] C. Favre and E. Wulcan. Degree growth of monomial maps and McMullen’s polytope algebra. *Indiana Univ. Math. J.*, 61(2):493–524, 2012.
- [598] G. Fernandes. A survey on the hypertranscendence of the solutions of the Schröder’s, Böttcher’s and Abel’s equations, 2021. [arXiv:2102.12168](https://arxiv.org/abs/2102.12168).
- [599] G. Fernandez. Wandering Fatou components on p -adic polynomial dynamics, 2004. [ArXiv:math.DS/0503720](https://arxiv.org/abs/math/0503720).
- [600] A. Ferraguti. The set of stable primes for polynomial sequences with large Galois group. *Proc. Amer. Math. Soc.*, 146(7):2773–2784, 2018.
- [601] A. Ferraguti and G. Micheli. Complete classification of permutation rational functions of degree three over finite fields, 2018. [arXiv:1805.03097](https://arxiv.org/abs/1805.03097).
- [602] A. Ferraguti and G. Micheli. An equivariant isomorphism theorem for mod p reductions of arboreal Galois representations, 2019. [arXiv:1905.00506](https://arxiv.org/abs/1905.00506).
- [603] A. Ferraguti, G. Micheli, and R. Schnyder. On sets of irreducible polynomials closed by composition. In *Arithmetic of finite fields*, volume 10064 of *Lecture Notes in Comput. Sci.*, pages 77–83. Springer, Cham, 2016.
- [604] A. Ferraguti, G. Micheli, and R. Schnyder. Irreducible compositions of degree two polynomials over finite fields have regular structure, 2017. to appear in *The Quarterly Journal of Mathematics*. [arXiv:1701.06040](https://arxiv.org/abs/1701.06040).
- [605] A. Ferraguti, A. Ostafe, and U. Zannier. Cyclotomic and abelian points in backward orbits of rational functions, 2022. [arXiv:2203.10034](https://arxiv.org/abs/2203.10034).
- [606] A. Ferraguti and C. Pagano. Constraining images of quadratic arboreal representations, 2020. [arXiv:2004.02847](https://arxiv.org/abs/2004.02847).
- [607] A. Ferraguti, C. Pagano, and D. Casazza. The inverse problem for arboreal Galois representations of index two, 2019. [arXiv:1907.08608](https://arxiv.org/abs/1907.08608).
- [608] P. Fili and Z. Miner. Equidistribution and the heights of totally real and totally p -adic numbers, 2012. [arXiv:1210.7885](https://arxiv.org/abs/1210.7885).
- [609] P. Fili, L. Pottmeyer, and M. Zhang. On the behavior of Mahler’s measure under iteration, 2019. [arXiv:1911.06288](https://arxiv.org/abs/1911.06288).
- [610] P. Fili, L. Pottmeyer, and M. Zhang. Wandering points for the Mahler measure, 2021. [arXiv:2109.11184](https://arxiv.org/abs/2109.11184).
- [611] P. A. Fili and L. Pottmeyer. Quantitative height bounds under splitting conditions. *Trans. Amer. Math. Soc.*, 372(7):4605–4626, 2019.
- [612] S. Filip. Tropical dynamics of area-preserving maps. *J. Mod. Dyn.*, 14:179–226, 2019.
- [613] S. Finch. Components and cycles of random mappings, 2022. [arXiv:2205.05579](https://arxiv.org/abs/2205.05579).

- [614] P. Flajolet and A. M. Odlyzko. Random mapping statistics. In *Advances in cryptology—EUROCRYPT '89 (Houthalen, 1989)*, volume 434 of *Lecture Notes in Comput. Sci.*, pages 329–354. Springer, Berlin, 1990.
- [615] L. Flatto. Invariants of finite reflection groups. *Enseign. Math. (2)*, 24(3-4):237–292, 1978.
- [616] W. Floyd, D. Kim, S. Koch, W. Parry, and E. Saenz. Realizing polynomial portraits, 2021. [arXiv:2105.10055](https://arxiv.org/abs/2105.10055).
- [617] E. V. Flynn, B. Poonen, and E. F. Schaefer. Cycles of quadratic polynomials and rational points on a genus-2 curve. *Duke Math. J.*, 90(3):435–463, 1997.
- [618] R. Flynn and D. Garton. Graph components and dynamics over finite fields. *Int. J. Number Theory*, 10(3):779–792, 2014.
- [619] J. E. Fornæss and N. Sibony. Critically finite rational maps on \mathbf{P}^2 . In *The Madison Symposium on Complex Analysis (Madison, WI, 1991)*, volume 137 of *Contemp. Math.*, pages 245–260. Amer. Math. Soc., Providence, RI, 1992.
- [620] J. E. Fornæss and H. Wu. Classification of degree 2 polynomial automorphisms of \mathbf{C}^3 . *Publ. Mat.*, 42(1):195–210, 1998.
- [621] J. E. Fornæss and N. Sibony. Random iterations of rational functions. *Ergodic Theory Dynam. Systems*, 11(4):687–708, 1991.
- [622] J. E. Fornæss and N. Sibony. Complex dynamics in higher dimension. I. *Astérisque*, (222):5, 201–231, 1994.
- [623] J. E. Fornæss and N. Sibony. Complex dynamics in higher dimensions. In *Complex Potential Theory (Montreal, PQ, 1993)*, volume 439 of *NATO Adv. Sci. Inst. Ser. C Math. Phys. Sci.*, pages 131–186. Kluwer Acad. Publ., Dordrecht, 1994.
- [624] J. E. Fornæss and N. Sibony. Complex dynamics in higher dimension. II. In *Modern Methods in Complex Analysis (Princeton, NJ, 1992)*, volume 137 of *Ann. of Math. Stud.*, pages 135–182. Princeton Univ. Press, Princeton, NJ, 1995.
- [625] J. E. Fornæss and B. Weickert. Random iteration in \mathbf{P}^k . *Ergodic Theory Dynam. Systems*, 20(4):1091–1109, 2000.
- [626] J. Fresnel and M. van der Put. *Rigid analytic geometry and its applications*, volume 218 of *Progress in Mathematics*. Birkhäuser Boston Inc., Boston, MA, 2004.
- [627] S. Friedland and J. Milnor. Dynamical properties of plane polynomial automorphisms. *Ergodic Theory Dynam. Systems*, 9(1):67–99, 1989.
- [628] H. Fu. Uniform unlikely intersections for unicritical polynomials, 2020. [arXiv:2009.12251](https://arxiv.org/abs/2009.12251).
- [629] E. Fuchs, M. Litman, J. H. Silverman, and A. Tran. Orbits on K3 surfaces of Markoff type, 2022. [arXiv:2201.12588](https://arxiv.org/abs/2201.12588).
- [630] Y. Fujimoto and N. Nakayama. Complex projective manifolds which admit non-isomorphic surjective endomorphisms. In *Higher dimensional algebraic varieties and vector bundles*, RIMS Kôkyûroku Bessatsu, B9, pages 51–79. Res. Inst. Math. Sci. (RIMS), Kyoto, 2008.
- [631] M. Fujimura. The moduli space of rational maps and surjectivity of multiplier representation. *Comput. Methods Funct. Theory*, 7(2):345–360, 2007.
- [632] M. Fujimura and K. Nishizawa. Moduli spaces and symmetry loci of polynomial maps. In *Proceedings of the 1997 International Symposium on Symbolic and Algebraic Computation (Kihei, HI)*, pages 342–348. ACM, New York, 1997.
- [633] M. Fujimura and M. Taniguchi. The moduli space of polynomials and its compactification. In *Complex analysis and its applications*, volume 2 of *OCAMI Stud.*, pages 175–178. Osaka Munic. Univ. Press, Osaka, 2007.

- [634] W. Fulton. *Intersection theory*, volume 2 of *Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge. A Series of Modern Surveys in Mathematics [Results in Mathematics and Related Areas. 3rd Series. A Series of Modern Surveys in Mathematics]*. Springer-Verlag, Berlin, second edition, 1998.
- [635] J. Furno. Singular p -adic transformations for Bernoulli product measures. *New York J. Math.*, 20:799–812, 2014.
- [636] J. Furno. Approximations for p -adic transitive isometries. *Topology Proc.*, 46:323–338, 2015.
- [637] A. Galateau and V. Mahé. Some consequences of Masser’s counting theorem on elliptic curves. *Math. Z.*, 285(1-2):613–629, 2017.
- [638] J. A. C. Gallas. Units: remarkable points in dynamical systems. *Phys. A*, 222(1-4):125–151, 1995.
- [639] J. A. C. Gallas. Field discriminants of cyclotomic period equations. *Internat. J. Modern Phys. C*, 31(2):2050021, 20, 2020.
- [640] A. Gamburd, M. Magee, and R. Ronan. An asymptotic formula for integer points on Markoff-Hurwitz varieties. *Ann. of Math. (2)*, 190(3):751–809, 2019.
- [641] V. K. K. Gangavarapu. Torsion elements of the Nottingham group of order p^2 and type $\langle 2, m \rangle$. *J. Ramanujan Math. Soc.*, 34(2):231–243, 2019.
- [642] Y. Gao. Preperiodic dynatomic curves for $z \mapsto z^d + c$. *Fund. Math.*, 233(1):37–69, 2016.
- [643] Y. Gao. Recent developments of the uniform Mordell–Lang conjecture, 2021. arXiv:2104.03431.
- [644] Y. Gao, T. Ge, and L. Kühne. The uniform Mordell–Lang conjecture, 2021. arXiv:2105.15085.
- [645] Y. Gao and Y. Ou. The dynatomic periodic curves for polynomial $z \mapsto z^d + c$ are smooth and irreducible. *Sci. China Math.*, 57(6):1175–1192, 2014.
- [646] D. Garton. Periodic points of polynomials over finite fields, 2021. arXiv:2103.16533.
- [647] D. Garton. Periodic points of rational functions of large degree over finite fields, 2022. arXiv:2208.13281.
- [648] T. A. Gassert. Chebyshev action on finite fields. *Discrete Math.*, 315:83–94, 2014.
- [649] A. Gasull, V. Mañosa, and X. Xarles. Rational periodic sequences for the Lyness recurrence. *Discrete Contin. Dyn. Syst.*, 32(2):587–604, 2012.
- [650] J. v. z. Gathen. Iteration entropy, 2017. arXiv:1712.01407.
- [651] T. Gauthier. Good height functions on quasi-projective varieties: equidistribution and applications in dynamics, 2021. arXiv:2105.02479.
- [652] T. Gauthier, Y. Okuyama, and G. Vigny. Approximation of non-archimedean Lyapunov exponents and applications over global fields, 2018. arXiv:1803.06859.
- [653] T. Gauthier and G. Vigny. The geometric dynamical Northcott and Bogomolov properties, 2019. arXiv:1912.07907.
- [654] T. Gauthier and G. Vigny. The geometric dynamical Northcott property for regular polynomial automorphisms of the affine plane, 2020. arXiv:2010.16291.
- [655] T. Ge. Uniformity of quadratic points, 2021. arXiv:2105.15090.
- [656] *Géométrie des surfaces K3: modules et périodes*. Société Mathématique de France, Paris, 1985. Papers from the seminar held in Palaiseau, October 1981–January 1982, Astérisque No. 126 (1985).
- [657] S. Getachew. *Galois Theory of Polynomial Iterates*. PhD thesis, Brown University, 2000.
- [658] D. Ghioca. Equidistribution for torsion points of a Drinfeld module. *Math. Ann.*, 336(4):841–865, 2006.

- [659] D. Ghioca. Integral points for Drinfeld modules, 2013. [arXiv:1307.3747](#).
- [660] D. Ghioca. The dynamical Mordell-Lang conjecture. *CMS Notes*, 46(3):14–15, 2014.
- [661] D. Ghioca. The dynamical Mordell-Lang conjecture in positive characteristic. *Trans. Amer. Math. Soc.*, 371(2):1151–1167, 2019.
- [662] D. Ghioca and L.-C. Hsia. Torsion points in families of drinfeld modules, 2012. [arXiv:1206.7047](#).
- [663] D. Ghioca, L.-C. Hsia, and T. Tucker. Preperiodic points for families of polynomials, 2011. [arXiv:1102.2769](#).
- [664] D. Ghioca, L.-C. Hsia, and T. Tucker. A variant of a theorem by Ailon-Rudnick for elliptic curves. *Pacific J. Math.*, 295(1):1–15, 2018.
- [665] D. Ghioca, L.-C. Hsia, and T. J. Tucker. Preperiodic points for families of polynomials. *Algebra Number Theory*, 7(3):701–732, 2013.
- [666] D. Ghioca, L.-C. Hsia, and T. J. Tucker. Preperiodic points for families of rational maps. *Proc. Lond. Math. Soc.* (3), 110(2):395–427, 2015.
- [667] D. Ghioca, L.-C. Hsia, and T. J. Tucker. Unlikely intersection for two-parameter families of polynomials, 2015. [arXiv:1507.04993](#).
- [668] D. Ghioca and F. Hu. Density of orbits of endomorphisms of commutative linear algebraic groups. *New York J. Math.*, 24:375–388, 2018.
- [669] D. Ghioca, F. Hu, T. Scanlon, and U. Zannier. A variant of the Mordell–Lang conjecture, 2018. [arXiv:1804.10561](#).
- [670] D. Ghioca, H. Krieger, and K. Nguyen. A case of the dynamical André-Oort conjecture. *Int. Math. Res. Not. IMRN*, (3):738–758, 2016.
- [671] D. Ghioca, H. Krieger, K. D. Nguyen, and H. Ye. The dynamical André-Oort conjecture: unicritical polynomials. *Duke Math. J.*, 166(1):1–25, 2017.
- [672] D. Ghioca and N. M. Mavraki. Variation of the canonical height in a family of rational maps, 2013. [arXiv:1309.5682](#).
- [673] D. Ghioca and K. Nguyen. Dynamical anomalous subvarieties: Structure and bounded height theorems, 2014. [arXiv:1408.5455](#).
- [674] D. Ghioca, K. Nguyen, and T. J. Tucker. Portraits of preperiodic points for rational maps. *Math. Proc. Cambridge Philos. Soc.*, 159(1):165–186, 2015.
- [675] D. Ghioca, K. Nguyen, and H. Ye. The Dynamical Manin–Mumford Conjecture and the Dynamical Bogomolov Conjecture for split rational maps. *J. Eur. Math. Soc. (JEMS)*, 21(5):1571–1594, 2019.
- [676] D. Ghioca and K. D. Nguyen. Dynamics of split polynomial maps: uniform bounds for periods and applications. *Int. Math. Res. Not. IMRN*, (1):213–231, 2017.
- [677] D. Ghioca and K. D. Nguyen. The orbit intersection problem for linear spaces and semiabelian varieties. *Math. Res. Lett.*, 24(5):1263–1283, 2017.
- [678] D. Ghioca, K. D. Nguyen, and T. J. Tucker. Squarefree doubly primitive divisors in dynamical sequences. *Math. Proc. Cambridge Philos. Soc.*, 164(3):551–572, 2018.
- [679] D. Ghioca, K. D. Nguyen, and H. Ye. The dynamical Manin-Mumford conjecture and the dynamical Bogomolov conjecture for endomorphisms of $(\mathbb{P}^1)^n$. *Compos. Math.*, 154(7):1441–1472, 2018.
- [680] D. Ghioca, A. Ostafe, S. Saleh, and I. E. Shparlinski. A sparsity result for the dynamical Mordell–Lang conjecture in positive characteristic, 2020. [arXiv:2012.13711](#).
- [681] D. Ghioca and S. Saleh. Zariski dense orbits for regular self-maps of split semiabelian varieties in positive characteristic, 2021. [arXiv:2108.06732](#).
- [682] D. Ghioca and M. Satriano. Density of orbits of dominant regular self-maps of semiabelian varieties, 2017. *Trans. AMS*, to appear, [arXiv:1708.06221](#).
- [683] D. Ghioca and T. Scanlon. Density of orbits of endomorphisms of abelian varieties. *Trans. Amer. Math. Soc.*, 369(1):447–466, 2017.

- [684] D. Ghioca and T. Tucker. Mordell–Lang and Skolem–Mahler–Lech theorems for endomorphisms of semiabelian varieties, 2007. [arXiv:0710.1669](#).
- [685] D. Ghioca and T. Tucker. p -adic logarithms for polynomial dynamics, 2007. [arXiv:0705.4047](#).
- [686] D. Ghioca, T. Tucker, and M. E. Zieve. The Mordell–Lang question for endomorphisms of semiabelian varieties. *J. Théor. Nombres Bordeaux*, 23(3):645–666, 2011.
- [687] D. Ghioca and T. J. Tucker. A dynamical version of the Mordell–Lang conjecture for the additive group. *Compos. Math.*, 144(2):304–316, 2008.
- [688] D. Ghioca and T. J. Tucker. Equidistribution and integral points for Drinfeld modules. *Trans. Amer. Math. Soc.*, 360(9):4863–4887, 2008.
- [689] D. Ghioca and T. J. Tucker. Periodic points, linearizing maps, and the dynamical Mordell–Lang problem. *J. Number Theory*, 129(6):1392–1403, 2009.
- [690] D. Ghioca and T. J. Tucker. Proof of a dynamical Bogomolov conjecture for lines under polynomial actions. *Proc. Amer. Math. Soc.*, 138(3):937–942, 2010.
- [691] D. Ghioca, T. J. Tucker, and S. Zhang. Towards a dynamical Manin–Mumford conjecture. *Int. Math. Res. Not. IMRN*, (22):5109–5122, 2011.
- [692] D. Ghioca, T. J. Tucker, and M. E. Zieve. Intersections of polynomial orbits, and a dynamical Mordell–Lang conjecture. *Invent. Math.*, 171(2):463–483, 2008.
- [693] D. Ghioca, T. J. Tucker, and M. E. Zieve. Linear relations between polynomial orbits. *Duke Math. J.*, 161(7):1379–1410, 2012.
- [694] D. Ghioca and J. Xie. Algebraic dynamics of skew-linear self-maps. *Proc. Amer. Math. Soc.*, 146(10):4369–4387, 2018.
- [695] D. Ghioca and J. Xie. The dynamical Mordell–Lang conjecture for skew-linear self-maps. Appendix by Michael Wibmer. *Int. Math. Res. Not. IMRN*, (21):7433–7453, 2020.
- [696] D. Ghioca and H. Ye. A Dynamical Variant of the André–Oort Conjecture. *Int. Math. Res. Not. IMRN*, (8):2447–2480, 2018.
- [697] D. Ghioca and M. Zieve. Lattès maps in arbitrary characteristic, 2008. in preparation.
- [698] A. Ghosh, C. Meiri, and P. Sarnak. Commutators in SL_2 and Markoff surfaces I, 2021. [arXiv:2110.11030](#).
- [699] A. Ghosh and P. Sarnak. Integral points on Markoff type cubic surfaces. *Invent. Math.*, 229(2):689–749, 2022.
- [700] W. Gignac and M. Ruggiero. Growth of attraction rates for iterates of a superattracting germ in dimension two. *Indiana Univ. Math. J.*, 63(4):1195–1234, 2014.
- [701] J. B. Gil and S. Robins. Hecke operators on rational functions. I. *Forum Math.*, 17(4):519–554, 2005.
- [702] P. Gille and T. Szamuely. *Central simple algebras and Galois cohomology*, volume 101 of *Cambridge Studies in Advanced Mathematics*. Cambridge University Press, Cambridge, 2006.
- [703] A. Giordano Bruno and S. Virili. Algebraic Yuzvinski formula, 2011. [arXiv:1111.1287](#).
- [704] L. Glebsky. Cycles in repeated exponentiation modulo p^n , 2010. [arXiv:1006.2500](#).
- [705] L. Glebsky and I. E. Shparlinski. Short cycles in repeated exponentiation modulo a prime. *Des. Codes Cryptogr.*, 56(1):35–42, 2010.
- [706] H. Glöckner. Aspects of p -adic non-linear functional analysis. In *p -adic mathematical physics*, volume 826 of *AIP Conf. Proc.*, pages 237–253. Amer. Inst. Phys., Melville, NY, 2006.
- [707] V. Goksel. Quadratic polynomials whose large iterates are reducible modulo primes, 2017. [arXiv:1710.06821](#).

- [708] V. Goksel. Irreducibility of iterates of post-critically finite quadratic polynomials over \mathbb{Q} . *Rocky Mountain J. Math.*, 49(7):2155–2174, 2019.
- [709] V. Goksel. Markov processes and some PCF quadratic polynomials. *Res. Number Theory*, 5(3):Paper No. 29, 50, 2019.
- [710] V. Goksel. A note on Misiurewicz polynomials, 2019. [arXiv:1908.07361](https://arxiv.org/abs/1908.07361).
- [711] V. Goksel. On the orbit of a post-critically finite polynomial of the form $x^d + c$. *Funct. Approx. Comment. Math.*, 62(1):95–104, 2020.
- [712] V. Goksel. A note on the factorization of iterated quadratics over finite fields, 2022. [arXiv:2203.15179](https://arxiv.org/abs/2203.15179).
- [713] V. Goksel, S. Xia, and N. Boston. A refined conjecture for factorizations of iterates of quadratic polynomials over finite fields. *Exp. Math.*, 24(3):304–311, 2015.
- [714] D. Gomez and A. P. Nicolás. An estimate on the number of stable quadratic polynomials. *Finite Fields Appl.*, 16(6):401–405, 2010.
- [715] D. Gómez-Pérez, A. P. Nicolás, A. Ostafe, and D. Sadornil. Stable polynomials over finite fields. *Rev. Mat. Iberoam.*, 30(2):523–535, 2014.
- [716] D. Gómez-Pérez, A. Ostafe, and I. Shparlinski. Algebraic entropy, automorphisms and sparsity of algebraic dynamical systems and pseudorandom number generators. *Math. Comp.*, 83(287):1535–1550, 2014.
- [717] D. Gómez-Pérez, A. Ostafe, and I. E. Shparlinski. On irreducible divisors of iterated polynomials. *Rev. Mat. Iberoam.*, 30(4):1123–1134, 2014.
- [718] D. Gómez-Pérez and I. E. Shparlinski. Subgroups generated by rational functions in finite fields. *Monatsh. Math.*, 176(2):241–253, 2015.
- [719] M. Goresky and R. MacPherson. *Stratified Morse theory*, volume 14 of *Ergebnisse der Mathematik und ihrer Grenzgebiete (3) [Results in Mathematics and Related Areas (3)]*. Springer-Verlag, Berlin, 1988.
- [720] A. Gorodnik, H. Oh, and N. Shah. Integral points on symmetric varieties and Satake compactifications. *Amer. J. Math.*, 131(1):1–57, 2009.
- [721] R. Gottesman and K. Tang. Quadratic recurrences with a positive density of prime divisors. *Int. J. Number Theory*, 6(5):1027–1045, 2010.
- [722] F. Q. Gouvêa. *p-adic numbers*. Universitext. Springer-Verlag, Berlin, second edition, 1997.
- [723] R. L. Graham, D. E. Knuth, and O. Patashnik. *Concrete Mathematics*. Addison-Wesley Publishing Company, Reading, MA, second edition, 1994.
- [724] B. Grammaticos, R. G. Halburd, A. Ramani, and C.-M. Viallet. How to detect the integrability of discrete systems. *J. Phys. A*, 42(45):454002, 30, 2009.
- [725] A. Granville. Using dynamical systems to construct infinitely many primes, 2017. [arXiv:1708.06953](https://arxiv.org/abs/1708.06953).
- [726] A. Granville. Classifying linear division sequences, 2022. [arXiv:2206.11823](https://arxiv.org/abs/2206.11823).
- [727] C. Gratton, K. Nguyen, and T. J. Tucker. ABC implies primitive prime divisors in arithmetic dynamics. *Bull. Lond. Math. Soc.*, 45(6):1194–1208, 2013.
- [728] B. Green and M. Matignon. Order p automorphisms of the open disc of a p -adic field. *J. Amer. Math. Soc.*, 12(1):269–303, 1999.
- [729] W. Green. Heights in families of abelian varieties. *Duke Math. J.*, 58(3):617–632, 1989.
- [730] A. Gregor and Y. Yasufuku. Monomial maps on \mathbb{P}^2 and their arithmetic dynamics. *J. Number Theory*, 131(12):2409–2425, 2011.
- [731] P. Griffiths and J. Harris. *Principles of Algebraic Geometry*. Wiley Classics Library. John Wiley & Sons Inc., New York, 1994. Reprint of the 1978 original.
- [732] P. M. Gruber and C. G. Lekkerkerker. *Geometry of numbers*, volume 37 of *North-Holland Mathematical Library*. North-Holland Publishing Co., Amsterdam, second edition, 1987.

- [733] W. Gubler. Equidistribution over function fields. *Manuscripta Math.*, 127(4):485–510, 2008.
- [734] V. Guedj. Dynamics of quadratic polynomial mappings of \mathbb{C}^2 . *Michigan Math. J.*, 52(3):627–648, 2004.
- [735] V. Guedj. Ergodic properties of rational mappings with large topological degree. *Ann. of Math. (2)*, 161(3):1589–1607, 2005.
- [736] V. Guedj and N. Sibony. Dynamics of polynomial automorphisms of \mathbb{C}^k . *Ark. Mat.*, 40(2):207–243, 2002.
- [737] A. Guillot. Un théorème de point fixe pour les endomorphismes de l’espace projectif avec des applications aux feuilletages algébriques. *Bull. Braz. Math. Soc. (N.S.)*, 35(3):345–362, 2004.
- [738] A. Guillot. Semicompleteness of homogeneous quadratic vector fields. *Ann. Inst. Fourier (Grenoble)*, 56(5):1583–1615, 2006.
- [739] A. Guillot. Quadratic differential equations in three variables without multivalued solutions: Part I. *SIGMA Symmetry Integrability Geom. Methods Appl.*, 14:Paper No. 122, 46, 2018.
- [740] A. Guillot and V. Ramírez. On the multipliers at fixed points of quadratic self-maps of the projective plane with an invariant line. *Comput. Methods Funct. Theory*, 19(4):687–716, 2019.
- [741] M. Gundlach, A. Khrennikov, and K.-O. Lindahl. On ergodic behavior of p -adic dynamical systems. *Infin. Dimens. Anal. Quantum Probab. Relat. Top.*, 4(4):569–577, 2001.
- [742] M. Gundlach, A. Khrennikov, and K.-O. Lindahl. Topological transitivity for p -adic dynamical systems. In *p -adic functional analysis (Ioannina, 2000)*, volume 222 of *Lecture Notes in Pure and Appl. Math.*, pages 127–132. Dekker, New York, 2001.
- [743] J. Gunther and W. Hindes. Integral points of bounded degree on the projective line and in dynamical orbits, 2016. [arXiv:1607.08272](https://arxiv.org/abs/1607.08272).
- [744] J. Gutierrez and I. E. Shparlinski. Expansion of orbits of some dynamical systems over finite fields. *Bull. Aust. Math. Soc.*, 82(2):232–239, 2010.
- [745] K. Györy. Sur les polynômes à coefficients entiers et de discriminant donné. *Acta Arith.*, 23:419–426, 1973.
- [746] K. Györy. Sur les polynômes à coefficients entiers et de discriminant donné. II. *Publ. Math. Debrecen*, 21:125–144, 1974.
- [747] K. Györy. Sur les polynômes à coefficients entiers et de discriminant donné. III. *Publ. Math. Debrecen*, 23(1-2):141–165, 1976.
- [748] N. B. Haaser and J. A. Sullivan. *Real Analysis*. Dover Publications Inc., New York, 1991. Revised reprint of the 1971 original.
- [749] P. Habegger. Intersecting subvarieties of \mathbb{G}_m^n with algebraic subgroups. *Math. Ann.*, 342(2):449–466, 2008.
- [750] P. Habegger. Intersecting subvarieties of abelian varieties with algebraic subgroups of complementary dimension. *Invent. Math.*, 176(2):405–447, 2009.
- [751] P. Habegger. On the bounded height conjecture. *Int. Math. Res. Not. IMRN*, (5):860–886, 2009.
- [752] P. Habegger. Diophantine approximations on definable sets, 2016. [arXiv:1608.04547](https://arxiv.org/abs/1608.04547).
- [753] P. Habegger. The norm of Gaussian periods, 2016. [arXiv:1611.07287](https://arxiv.org/abs/1611.07287).
- [754] P. Habegger and H. Schmidt. Lower bounds for the canonical height of a unicritical polynomial and capacity, 2021. [arXiv:2111.01870](https://arxiv.org/abs/2111.01870).
- [755] C. D. Hacon, J. McKernan, and C. Xu. On the birational automorphisms of varieties of general type. *Ann. of Math. (2)*, 177(3):1077–1111, 2013.

- [756] M. Hajli. On the arithmetic of translated monomial maps. *Funct. Approx. Comment. Math.*, 58(2):177–186, 2018.
- [757] R. G. Halburd. Diophantine integrability. *J. Phys. A*, 38(16):L263–L269, 2005.
- [758] F. Halter-Koch and P. Konečná. Polynomial cycles in finite extension fields. *Math. Slovaca*, 52(5):531–535, 2002.
- [759] F. Halter-Koch and W. Narkiewicz. Finiteness properties of polynomial mappings. *Math. Nachr.*, 159:7–18, 1992.
- [760] F. Halter-Koch and W. Narkiewicz. Polynomial cycles in finitely generated domains. *Monatsh. Math.*, 119(4):275–279, 1995.
- [761] F. Halter-Koch and W. Narkiewicz. Polynomial cycles and dynamical units. In *Proceedings of a Conference on Analytic and Elementary Number Theory (Wien 1996)*, pages 70–80. 1997. www.boku.ac.at/math/proc.html.
- [762] F. Halter-Koch and W. Narkiewicz. Scarcity of finite polynomial orbits. *Publ. Math. Debrecen*, 56(3-4):405–414, 2000.
- [763] S. Hamblen, R. Jones, and K. Madhu. The density of primes in orbits of $z^d + c$. *Int. Math. Res. Not. IMRN*, (7):1924–1958, 2015.
- [764] M. Han. Gleason-type polynomials for rational maps with nontrivial automorphisms, 2020. [arXiv:2002.01039](https://arxiv.org/abs/2002.01039).
- [765] M. Han. Misiurewicz polynomials for rational maps with nontrivial automorphisms ii, 2021. [arXiv:2101.09296](https://arxiv.org/abs/2101.09296).
- [766] G. H. Hardy and E. M. Wright. *An introduction to the theory of numbers*. Oxford University Press, Oxford, sixth edition, 2008. Revised by D. R. Heath-Brown and J. H. Silverman, With a foreword by Andrew Wiles.
- [767] B. Harris. Probability distributions related to random mappings. *Ann. Math. Statist.*, 31:1045–1062, 1960.
- [768] J. Harris. *Algebraic Geometry*, volume 133 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 1995. Corrected reprint of the 1992 original.
- [769] R. Hartshorne. *Algebraic Geometry*, volume 52 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 1977.
- [770] B. Hasselblatt and J. Propp. Degree-growth of monomial maps. *Ergodic Theory Dynam. Systems*, 27(5):1375–1397, 2007. Corrigendum vol. 6, page 1999.
- [771] A. Haynes and C. White. Group automorphisms with prescribed growth of periodic points, and small primes in arithmetic progressions in intervals, 2013. [arXiv:1309.2562](https://arxiv.org/abs/1309.2562).
- [772] V. O. Healey and W. Hindes. Stochastic canonical heights. *J. Number Theory*, 201:228–256, 2019.
- [773] V. O. Healey, W. Hindes, and R. Jones. Galois groups and prime divisors in random quadratic sequences, 2021. [arXiv:2108.11233](https://arxiv.org/abs/2108.11233).
- [774] D. Heath-Brown and G. Micheli. Irreducible polynomials over finite fields produced by composition of quadratics, 2017. [arXiv:1701.05031](https://arxiv.org/abs/1701.05031).
- [775] D. R. Heath-Brown. Iteration of quadratic polynomials over finite fields. *Mathematika*, 63(3):1041–1059, 2017.
- [776] M. Hénon. A two-dimensional mapping with a strange attractor. *Comm. Math. Phys.*, 50(1):69–77, 1976.
- [777] M. Herman and J.-C. Yoccoz. Generalizations of some theorems of small divisors to non-Archimedean fields. In *Geometric dynamics (Rio de Janeiro, 1981)*, volume 1007 of *Lecture Notes in Math.*, pages 408–447. Springer, Berlin, 1983.
- [778] S. Herrero, R. Menares, and J. Rivera-Letelier. p -adic distribution of CM points and Hecke orbits. II: Linnik equidistribution on the supersingular locus, 2021. [arXiv:2102.04865](https://arxiv.org/abs/2102.04865).

- [779] S. Herrero, R. Menares, and J. Rivera-Letelier. There are at most finitely many singular moduli that are S -units, 2021. [arXiv:2102.05041](#).
- [780] T. Herrig. Fixed points and entropy of endomorphisms on simple abelian varieties. *J. Algebra*, 517:95–111, 2019.
- [781] I. N. Herstein. *Topics in algebra*. Xerox College Publishing, Lexington, Mass.-Toronto, Ont., second edition, 1975.
- [782] R. A. Hidalgo. A simple remark on the field of moduli of rational maps. *Q. J. Math.*, 65(2):627–635, 2014.
- [783] R. A. Hidalgo and S. Quispe. On real and pseudo-real rational maps. *Nonlinearity*, 34(9):6248–6272, 2021.
- [784] W. Hindes. Points on elliptic curves parametrizing dynamical Galois groups. *Acta Arith.*, 159(2):149–167, 2013.
- [785] W. Hindes. The arithmetic of curves defined by iteration. *Acta Arith.*, 169(1):1–27, 2015.
- [786] W. Hindes. Galois uniformity in quadratic dynamics over $k(t)$. *J. Number Theory*, 148:372–383, 2015.
- [787] W. Hindes. Rational points on certain families of symmetric equations. *Int. J. Number Theory*, 11(6):1821–1838, 2015.
- [788] W. Hindes. Integrality estimates in orbits over function fields, 2016. [arXiv:1610.01964](#).
- [789] W. Hindes. Prime divisors in polynomial orbits over function fields. *Bull. Lond. Math. Soc.*, 48(6):1029–1036, 2016.
- [790] W. Hindes. Classifying Galois groups of small iterates via rational points, 2017. [arXiv:1705.08353](#).
- [791] W. Hindes. Average Zsigmondy sets, dynamical Galois groups, and the Kodaira-Spencer map. *Trans. Amer. Math. Soc.*, 370(9):6391–6410, 2018.
- [792] W. Hindes. Dynamical and arithmetic degrees for random iterations of maps on projective space, 2018. [arXiv:1904.04709](#).
- [793] W. Hindes. Galois groups of some iterated polynomials over cyclotomic extensions. *Arch. Math. (Basel)*, 110(2):109–113, 2018.
- [794] W. Hindes. The average number of integral points in orbits. *Math. Res. Lett.*, 26(1):101–120, 2019.
- [795] W. Hindes. Finite orbit points for sets of quadratic polynomials. *Int. J. Number Theory*, 15(8):1693–1719, 2019.
- [796] W. Hindes. Counting points of bounded height in monoid orbits, 2020. [arXiv:2006.08563](#).
- [797] W. Hindes. Dynamical height growth: left, right, and total orbits, 2020. [arXiv:2002.09798](#).
- [798] W. Hindes. Orbit counting in polarized dynamical systems, 2020. [arXiv:2012.14960](#).
- [799] W. Hindes. Dynamical Diophantine approximation exponents in characteristic p , 2022. [arXiv:2209.09182](#).
- [800] W. Hindes, R. Jacobs, and P. Ye. Irreducible polynomials in quadratic semigroups, 2022. [arXiv:2208.03856](#).
- [801] W. Hindes and R. Jones. Riccati equations and polynomial dynamics over function fields. *Trans. Amer. Math. Soc.*, 373(3):1555–1575, 2020.
- [802] M. Hindry. Sur les hauteurs locales de Néron sur les variétés abéliennes. Prépublications Mathématiques de l’U.R.A. 212 ‘Théories Géométriques’ no. 51, Université Paris 7 1993.

- [803] M. Hindry and J. H. Silverman. The canonical height and integral points on elliptic curves. *Invent. Math.*, 93(2):419–450, 1988.
- [804] M. Hindry and J. H. Silverman. On Lehmer’s conjecture for elliptic curves. In *Séminaire de Théorie des Nombres, Paris 1988–1989*, volume 91 of *Progr. Math.*, pages 103–116. Birkhäuser Boston, Boston, MA, 1990.
- [805] M. Hindry and J. H. Silverman. Sur le nombre de points de torsion rationnels sur une courbe elliptique. *C. R. Acad. Sci. Paris Sér. I Math.*, 329(2):97–100, 1999.
- [806] M. Hindry and J. H. Silverman. *Diophantine Geometry: An Introduction*, volume 201 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 2000.
- [807] E. Hironaka and S. Koch. A disconnected deformation space of rational maps, 2016. [arXiv:1602.07378](#).
- [808] A. Hoey, J. Iskander, S. Jin, and F. Trejos Suárez. unconditional explicit bound on the error term in the Sato–Tate conjecture, 2021. [arXiv:2108.03520](#).
- [809] M. E. Hoffman and W. D. Withers. Generalized Chebyshev polynomials associated with affine Weyl groups. *Trans. Amer. Math. Soc.*, 308(1):91–104, 1988.
- [810] J. Hoffstein, J. Pipher, J. M. Schanck, J. H. Silverman, W. Whyte, and Z. Zhang. Choosing parameters for NTRUEncrypt. In *Topics in cryptology—CT-RSA 2017*, volume 10159 of *Lecture Notes in Comput. Sci.*, pages 3–18. Springer, Cham, 2017.
- [811] J. Holden, P. A. Richardson, and M. M. Robinson. Counting fixed points and two-cycles of the singular map $x \mapsto x^{x^p}$ modulo powers of a prime, 2016. [arXiv:1609.06696](#).
- [812] J. Holden and M. M. Robinson. Counting fixed points, two-cycles, and collisions of the discrete exponential function using p -adic methods. *J. Aust. Math. Soc.*, 92(2):163–178, 2012.
- [813] A. N. W. Hone. Diophantine non-integrability of a third-order recurrence with the Laurent property. *J. Phys. A*, 39(12):L171–L177, 2006.
- [814] A. N. W. Hone. Continued fractions and hankel determinants from hyperelliptic curves, 2019. [arXiv:1907.05204](#).
- [815] L.-C. Hsia. A weak Néron model with applications to p -adic dynamical systems. *Compositio Math.*, 100(3):277–304, 1996.
- [816] L.-C. Hsia. On the dynamical height zeta functions. *J. Number Theory*, 63(1):146–169, 1997.
- [817] L.-C. Hsia. Closure of periodic points over a non-Archimedean field. *J. London Math. Soc. (2)*, 62(3):685–700, 2000.
- [818] L.-C. Hsia. p -adic equidistribution theorems. manuscript, 2003.
- [819] L.-C. Hsia. On the reduction of a non-torsion point of a Drinfeld module. *J. Number Theory*, 128(6):1458–1484, 2008.
- [820] L.-C. Hsia and S. Kawaguchi. Heights and periodic points for one-parameter families of Hénon maps, 2018. [arXiv:1810.03841](#).
- [821] L.-C. Hsia and H.-C. Li. Ramification filtrations of certain abelian lie extensions of local fields, 2015. [arXiv:1502.06815](#).
- [822] L.-C. Hsia and J. Silverman. On a dynamical Brauer-Manin obstruction. *J. Théor. Nombres Bordeaux*, 21(1):235–250, 2009.
- [823] L.-C. Hsia and J. H. Silverman. A quantitative estimate for quasiintegral points in orbits. *Pacific J. Math.*, 249(2):321–342, 2011.
- [824] L.-C. Hsia and T. J. Tucker. Greatest common divisors of iterates of polynomials. *Algebra Number Theory*, 11(6):1437–1459, 2017.
- [825] F. Hu. Cohomological and numerical dynamical degrees on abelian varieties. *Algebra Number Theory*, 13(8):1941–1958, 2019.
- [826] F. Hu and T. T. Truong. A unification of various conjectures related to algebraic cycles, Weil cohomology theories, and dynamical degrees, 2021. [arXiv:2102.04405](#).

- [827] L. K. Hua. *Introduction to Number Theory*. Springer-Verlag, Berlin, 1982. Translated from the Chinese by Peter Shiu.
- [828] K. Huang. Generalized greatest common divisors for the orbits under rational functions, 2017. [arXiv:1702.03881](#).
- [829] K. Huang. A gap principle for subvarieties with finitely many periodic points, 2018. [arXiv:1808.02849](#).
- [830] K. Huang. Uniform bounds for periods of endomorphisms of varieties, 2019. [arXiv:1908.06231](#).
- [831] J. Hubbard. The Hénon mapping in the complex domain. In *Chaotic Dynamics and Fractals (Atlanta, Ga., 1985)*, volume 2 of *Notes Rep. Math. Sci. Engrg.*, pages 101–111. Academic Press, Orlando, FL, 1986.
- [832] J. Hubbard, P. Papadopol, and V. Veselov. A compactification of Hénon mappings in \mathbb{C}^2 as dynamical systems. *Acta Math.*, 184(2):203–270, 2000.
- [833] J. Hubbard and D. Schleicher. The spider algorithm. In *Complex Dynamical Systems (Cincinnati, OH, 1994)*, volume 49 of *Proc. Sympos. Appl. Math.*, pages 155–180. Amer. Math. Soc., Providence, RI, 1994.
- [834] J. H. Hubbard and S. Koch. An analytic construction of the Deligne-Mumford compactification of the moduli space of curves. *J. Differential Geom.*, 98(2):261–313, 2014.
- [835] J. H. Hubbard and P. Papadopol. Superattractive fixed points in \mathbb{C}^n . *Indiana Univ. Math. J.*, 43(1):321–365, 1994.
- [836] V. Huguin. Simultaneously preperiodic integers for quadratic polynomials, 2019. [arXiv:1906.04514](#).
- [837] V. Huguin. Unicritical polynomial maps with rational multipliers, 2020. [arXiv:2009.02422](#).
- [838] V. Huguin. Quadratic rational maps with integer multipliers, 2021. [arXiv:2107.07262](#).
- [839] B. Hutz. *Arithmetic Dynamics on Varieties in Dimension Greater Than One*. PhD thesis, Brown University, 2007.
- [840] B. Hutz. A computational investigation of Wehler K3 surfaces, 2008. [arXiv:0801.3648](#).
- [841] B. Hutz. Finding rational periodic points on Wehler K3 surfaces. *New Zealand J. Math.*, 39:133–141, 2009.
- [842] B. Hutz. Good reduction of periodic points on projective varieties. *Illinois J. Math.*, 53(4):1109–1126, 2009.
- [843] B. Hutz. Dynatomic cycles for morphisms of projective varieties. *New York J. Math.*, 16:125–159, 2010.
- [844] B. Hutz. Rational periodic points for degree two polynomial morphisms on projective space. *Acta Arith.*, 141(3):275–288, 2010.
- [845] B. Hutz. Effectivity of dynatomic cycles for morphisms of projective varieties using deformation theory. *Proc. Amer. Math. Soc.*, 140(10):3507–3514, 2012.
- [846] B. Hutz. Determination of all rational preperiodic points for morphisms of \mathbb{P}^N . *Math. Comp.*, 84(291):289–308, 2015.
- [847] B. Hutz. Multipliers and invariants of endomorphisms of projective space in dimension greater than 1, 2019. [arXiv:1908.03184](#).
- [848] B. Hutz, T. Hyde, and B. Krause. Preimages of quadratic dynamical systems. *Involve*, 4(4):343–363, 2011.
- [849] B. Hutz and P. Ingram. On Poonen’s conjecture concerning rational preperiodic points of quadratic maps. *Rocky Mountain J. Math.*, 43(1):193–204, 2013.
- [850] B. Hutz and M. Manes. The field of definition for dynamical systems on \mathbb{P}^N . *Bull. Inst. Math. Acad. Sin. (N.S.)*, 9(4):585–601, 2014.

- [851] B. Hutz and M. Stoll. Smallest representatives of $SL(2, \mathbb{Z})$ -orbits of binary forms and endomorphisms of \mathbb{P}^1 . *Acta Arith.*, 189(3):283–308, 2019.
- [852] B. Hutz and L. Szpiro. Almost Newton, sometimes Lattès. *J. Number Theory*, 136:423–437, 2014.
- [853] B. Hutz and M. Tepper. Multiplier spectra and the moduli space of degree 3 morphisms on \mathbb{P}^1 . *JP J. Algebra Number Theory Appl.*, 29(2):189–206, 2013.
- [854] B. Hutz and A. Towsley. Misiurewicz points for polynomial maps and transversality. *New York J. Math.*, 21:297–319, 2015.
- [855] D. Huybrechts. Compact hyperkähler manifolds. In *Calabi-Yau manifolds and related geometries (Nordfjordeid, 2001)*, Universitext, pages 161–225. Springer, Berlin, 2003.
- [856] S.-i. Ih. A nondensity property of preperiodic points on Chebyshev dynamical systems. *J. Number Theory*, 131(4):750–780, 2011.
- [857] S.-I. Ih and T. J. Tucker. A finiteness property for preperiodic points of Chebyshev polynomials. *Int. J. Number Theory*, 6(5):1011–1025, 2010.
- [858] S. Iitaka. *Algebraic geometry*, volume 76 of *Graduate Texts in Mathematics*. Springer-Verlag, New York-Berlin, 1982. An introduction to birational geometry of algebraic varieties, North-Holland Mathematical Library, 24.
- [859] P. Illig, R. Jones, E. Orvis, Y. Segawa, and N. Spinale. Newly reducible polynomial iterates, 2020. [arXiv:2008.01222](https://arxiv.org/abs/2008.01222).
- [860] P. Ingram. Lower bounds on the canonical height associated to the morphism $\phi(z) = z^d + c$. *Monatsh. Math.*, 157(1):69–89, 2009.
- [861] P. Ingram. A quantitative primitive divisor result for points on elliptic curves. *J. Théor. Nombres Bordeaux*, 21(3):609–634, 2009.
- [862] P. Ingram. A finiteness result for post-critically finite polynomials. *Int. Math. Res. Not. IMRN*, (3):524–543, 2012.
- [863] P. Ingram. Arboreal Galois representations and uniformization of polynomial dynamics. *Bull. Lond. Math. Soc.*, 45(2):301–308, 2013.
- [864] P. Ingram. Rigidity and height bounds for certain post-critically finite endomorphisms of projective space, 2013. [arXiv:1310.4114](https://arxiv.org/abs/1310.4114).
- [865] P. Ingram. Variation of the canonical height for a family of polynomials. *J. Reine Angew. Math.*, 685:73–97, 2013.
- [866] P. Ingram. Canonical heights for Hénon maps. *Proc. Lond. Math. Soc. (3)*, 108(3):780–808, 2014.
- [867] P. Ingram. A lower bound for the canonical height associated to a Drinfeld module. *Int. Math. Res. Not. IMRN*, (17):4879–4916, 2014.
- [868] P. Ingram. Canonical heights and preperiodic points for subhomogeneous families of polynomials, 2015. [arXiv:1510.08807](https://arxiv.org/abs/1510.08807).
- [869] P. Ingram. Variation of the canonical height for polynomials in several variables. *Int. Math. Res. Not. IMRN*, (24):13545–13562, 2015.
- [870] P. Ingram. Rigidity and height bounds for certain post-critically finite endomorphisms of \mathbb{P}^N . *Canad. J. Math.*, 68(3):625–654, 2016.
- [871] P. Ingram. Critical dynamics of variable-separated affine correspondences. *J. Lond. Math. Soc. (2)*, 95(3):1011–1034, 2017.
- [872] P. Ingram. The critical height is a moduli height. *Duke Math. J.*, 167(7):1311–1346, 2018.
- [873] P. Ingram. p -adic uniformization and the action of Galois on certain affine correspondences. *Canad. Math. Bull.*, 61(3):531–542, 2018.
- [874] P. Ingram. Canonical heights and preperiodic points for certain weighted homogeneous families of polynomials. *Int. Math. Res. Not. IMRN*, (15):4859–4879, 2019.

- [875] P. Ingram. Canonical heights for correspondences. *Trans. Amer. Math. Soc.*, 371(2):1003–1027, 2019.
- [876] P. Ingram. Critical orbits of polynomials with a periodic point of specified multiplier. *Math. Z.*, 291(3-4):1245–1262, 2019.
- [877] P. Ingram. Degree gaps for multipliers and the dynamical Andre–Oort conjecture, 2020. [arXiv:2007.00567](https://arxiv.org/abs/2007.00567).
- [878] P. Ingram. Effective finiteness of solutions to certain differential and difference equations, 2020. [arXiv:2011.02968](https://arxiv.org/abs/2011.02968).
- [879] P. Ingram. Minimally critical endomorphisms of \mathbb{P}^n , 2020. [arXiv:2006.12869](https://arxiv.org/abs/2006.12869).
- [880] P. Ingram. Minimally critical regular endomorphisms of \mathbb{A}^n , 2020. [arXiv:2006.15365](https://arxiv.org/abs/2006.15365).
- [881] P. Ingram. Solutions to difference equations have few defects, 2020. [arXiv:2011.02975](https://arxiv.org/abs/2011.02975).
- [882] P. Ingram. Explicit canonical heights for divisors relative to endomorphisms of \mathbb{P}^N , 2021. [arXiv:2207.07206](https://arxiv.org/abs/2207.07206).
- [883] P. Ingram. Variation of the canonical height in a family of polarized dynamical systems, 2021. [arXiv:2104.12877](https://arxiv.org/abs/2104.12877).
- [884] P. Ingram, R. Ramadas, and J. H. Silverman. Post-critically finite maps in \mathbb{P}^n for $n \geq 2$ are sparse. preprint 2019, arxiv.org/abs/1910.11290.
- [885] P. Ingram and J. H. Silverman. Primitive divisors in arithmetic dynamics. *Math. Proc. Cambridge Philos. Soc.*, 146(2):289–302, 2009.
- [886] P. Ingram and J. H. Silverman. Uniform estimates for primitive divisors in elliptic divisibility sequences. In *Number theory, analysis and geometry*, pages 243–271. Springer, New York, 2012.
- [887] E. Ionascu and P. Stănică. Effective asymptotics for some nonlinear recurrences and almost doubly-exponential sequences. *Acta Math. Univ. Comenian. (N.S.)*, 73(1):75–87, 2004.
- [888] K. Ireland and M. Rosen. *A Classical Introduction to Modern Number Theory*, volume 84 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, second edition, 1990.
- [889] K. Jacobs. An equidistribution result for dynamical systems on the Berkovich projective line, 2014. [arXiv:1409.4808](https://arxiv.org/abs/1409.4808).
- [890] K. Jacobs. Equidistribution of the crucial measures in non-Archimedean dynamics. *J. Number Theory*, 180:86–138, 2017.
- [891] K. Jacobs. Hyperbolic equivariants of rational maps, 2018. [arXiv:1803.07460](https://arxiv.org/abs/1803.07460).
- [892] K. Jacobs. Lower bounds for non-Archimedean Lyapunov exponents. *Trans. Amer. Math. Soc.*, 371(9):6025–6046, 2019.
- [893] K. Jacobs and P. Williams. Iteration and the minimal resultant. *New York J. Math.*, 25:451–466, 2019.
- [894] K. S. Jacobs. Quantitative logarithmic equidistribution of the crucial measures. *Res. Number Theory*, 4(1):Art. 10, 32, 2018.
- [895] K. Jänich. *Topology*. Undergraduate Texts in Mathematics. Springer-Verlag, New York, 1984. With a chapter by Theodor Bröcker, Translated from the German by Silvio Levy.
- [896] A. Javanpeykar and J. Xie. Finiteness properties of pseudo-hyperbolic varieties, 2019. [arXiv:1909.12187](https://arxiv.org/abs/1909.12187).
- [897] A. Jenkins and S. Spallone. A p -adic approach to local analytic dynamics: analytic conjugacy of analytic maps tangent to the identity. *Ann. Fac. Sci. Toulouse Math. (6)*, 18(3):611–634, 2009.
- [898] A. Jenkins and S. Spallone. Lipeomorphic equivalence for p -adic analytic functions: a comparison between complex and p -adic dynamics, 2010. [arXiv:1011.2451](https://arxiv.org/abs/1011.2451).

- [899] A. Jenkins and S. Spallone. Local analytic conjugacy of semi-hyperbolic mappings in two variables, in the non-Archimedean setting. *Internat. J. Math.*, 23(6):1250059, 21, 2012.
- [900] S. Jeong. Bernoulli maps on \mathbf{Z}_p in the expansions of van der Put and Mahler. *J. Number Theory*, 193:235–265, 2018.
- [901] Z. Jha. The density of numbers n in a dynamical divisibility sequence having a fixed G.C.D. with their indices, 2021. [arXiv:2105.06190](#).
- [902] J. Jia, T. Shibata, J. Xie, and D.-Q. Zhang. Endomorphisms of quasi-projective varieties – Zariski dense orbit and Kawaguchi–Silverman conjectures, 2021. [arXiv:2104.05339](#).
- [903] J. Jia, T. Shibata, and D.-Q. Zhang. Potential density of projective varieties having an int-amplified endomorphism, 2021. [arXiv:2108.11595](#).
- [904] J. Jia, J. Xie, and D.-Q. Zhang. Surjective endomorphisms of projective surfaces – the existence of infinitely many dense orbits, 2020. [arXiv:2005.03628](#).
- [905] D. Joglekar, J. A. G. Roberts, and F. Vivaldi. The Hasse-Weil bound and integrability detection in rational maps. *J. Nonlinear Math. Phys.*, 10(suppl. 2):166–180, 2003.
- [906] D. Joglekar, J. A. G. Roberts, and F. Vivaldi. An algebraic geometric approach to integrable maps of the plane. *J. Phys. A*, 39(5):1133–1149, 2006.
- [907] K. Jonas, P. Moree, and I. E. Shparlinski. Periodic structure of the exponential pseudo-random number generator, 2013. [arXiv:1312.1311](#).
- [908] R. Jones. *Galois Martingales and the p -adic Hyperbolic Mandelbrot Set*. PhD thesis, Brown University, 2005.
- [909] R. Jones. Iterated Galois towers, their associated martingales, and the p -adic Mandelbrot set. *Compos. Math.*, 143(5):1108–1126, 2007.
- [910] R. Jones. The density of prime divisors in the arithmetic dynamics of quadratic polynomials. *J. Lond. Math. Soc. (2)*, 78(2):523–544, 2008.
- [911] R. Jones. An iterative construction of irreducible polynomials reducible modulo every prime. *J. Algebra*, 369:114–128, 2012.
- [912] R. Jones. Galois representations from pre-image trees: an arboreal survey. In *Actes de la Conférence “Théorie des Nombres et Applications”*, Publ. Math. Besançon Algèbre Théorie Nr., pages 107–136. Presses Univ. Franche-Comté, Besançon, 2013.
- [913] R. Jones. Fixed-point-free elements of iterated monodromy groups. *Trans. Amer. Math. Soc.*, 367(3):2023–2049, 2015.
- [914] R. Jones and N. Boston. Settled polynomials over finite fields. *Proc. Amer. Math. Soc.*, 140(6):1849–1863, 2012.
- [915] R. Jones and N. Boston. Errata to “Settled polynomials over finite fields”. *Proc. Amer. Math. Soc.*, 148(2):913–914, 2020.
- [916] R. Jones and A. Levy. Eventually stable rational functions. *Int. J. Number Theory*, 13(9):2299–2318, 2017.
- [917] R. Jones and M. Manes. Galois theory of quadratic rational functions. *Comment. Math. Helv.*, 89(1):173–213, 2014.
- [918] R. Jones and J. Rouse. Galois theory of iterated endomorphisms. *Proc. Lond. Math. Soc. (3)*, 100(3):763–794, 2010. Appendix A by Jeffrey D. Achter.
- [919] M. Jonsson. Some properties of 2-critically finite holomorphic maps of \mathbf{P}^2 . *Ergodic Theory Dynam. Systems*, 18(1):171–187, 1998.
- [920] M. Jonsson and P. Reschke. On the complex dynamics of birational surface maps defined over number fields. *J. Reine Angew. Math.*, 744:275–297, 2018.
- [921] M. Jonsson and E. Wulcan. Stabilization of monomial maps. *Michigan Math. J.*, 60(3):629–660, 2011.

- [922] M. Jonsson and E. Wolcott. Stabilization of monomial maps. *Michigan Math. J.*, 60(3):629–660, 2011.
- [923] M. Jonsson and E. Wolcott. Canonical heights for plane polynomial maps of small topological degree. *Math. Res. Lett.*, 19(6):1207–1217, 2012.
- [924] J.-P. Jouanolou. Le formalisme du résultant. *Adv. Math.*, 90(2):117–263, 1991.
- [925] M. Joyce, S. Kawaguchi, and J. H. Silverman. Landen transforms as families of (commuting) rational self-maps of projective space. *Bull. Inst. Math. Acad. Sin. (N.S.)*, 9(4):547–584, 2014.
- [926] G. Julia. Mémoire sur l’itération des fonctions rationnelles. *Journal de Math. Pures et Appl.*, 8:47–245, 1918.
- [927] G. Julia. Mémoire sur la permutabilité des fractions rationnelles. *Ann. Sci. École Norm. Sup. (3)*, 39:131–215, 1922.
- [928] B. Jung and A.-M. von Pippich. The arithmetic volume of the moduli space of abelian surfaces, 2022. [arXiv:2205.11864](https://arxiv.org/abs/2205.11864).
- [929] M. Jung and D. Kim. Dynamic structures of monomials on p -adic integers for small primes p , 2019. [arXiv:1909.05605](https://arxiv.org/abs/1909.05605).
- [930] M. Jung and D. Kim. Dynamic structures of p -adic monomials for small primes p . *J. Number Theory*, 211:155–183, 2020.
- [931] M. Jung, D. Kim, and K. Song. Dynamic structures of 2-adic Fibonacci polynomials, 2019. [arXiv:1903.05735](https://arxiv.org/abs/1903.05735).
- [932] J. Juul. The image size of iterated rational maps over finite fields, 2017. [arXiv:1706.07458](https://arxiv.org/abs/1706.07458).
- [933] J. Juul. Fixed point proportions for Galois groups of non-geometric iterated extensions. *Acta Arith.*, 183(4):301–315, 2018.
- [934] J. Juul. Iterates of generic polynomials and generic rational functions. *Trans. Amer. Math. Soc.*, 371(2):809–831, 2019.
- [935] J. Juul, H. Krieger, N. Looper, M. Manes, B. Thompson, and L. Walton. Arboreal representations for rational maps with few critical points, 2018. [arXiv:1804.06053](https://arxiv.org/abs/1804.06053).
- [936] J. Juul, H. Krieger, N. Looper, and N. M. Mavraki. A dynamical Shafarevich theorem for endomorphisms of \mathbb{P}^N , 2021. [arXiv:2110.13890](https://arxiv.org/abs/2110.13890).
- [937] J. Juul, P. Kurlberg, K. Madhu, and T. J. Tucker. Wreath products and proportions of periodic points. *Int. Math. Res. Not. IMRN*, (13):3944–3969, 2016.
- [938] B. Kadets. Large arboreal Galois representations. *J. Number Theory*, 210:416–430, 2020.
- [939] S. Kamienny. Torsion points on elliptic curves and q -coefficients of modular forms. *Invent. Math.*, 109(2):221–229, 1992.
- [940] H. Kaneko. Time-inhomogeneous stochastic processes on the p -adic number field. *Tohoku Math. J. (2)*, 55(1):65–87, 2003.
- [941] D. Kanevsky. An example of a non-associative Moufang loop of point classes on a cubic surface, 2021. [arXiv:2104.05118](https://arxiv.org/abs/2104.05118).
- [942] I. Karzhemanov. On endomorphisms of hypersurfaces, 2015. [arXiv:1510.04383](https://arxiv.org/abs/1510.04383).
- [943] S. R. Kaschner, R. A. Pérez, and R. K. W. Roeder. Examples of rational maps of $\mathbb{C}\mathbb{P}^2$ with equal dynamical degrees and no invariant foliation. *Bull. Soc. Math. France*, 144(2):279–297, 2016.
- [944] Y. Katagiri. On p -adic entropy of some solenoid dynamical systems, 2019. [arXiv:1910.00904](https://arxiv.org/abs/1910.00904).
- [945] A. Katok and B. Hasselblatt. *Introduction to the Modern Theory of Dynamical Systems*, volume 54 of *Encyclopedia of Mathematics and its Applications*. Cambridge University Press, Cambridge, 1995. With a supplementary chapter by Katok and Leonardo Mendoza.

- [946] E. Katz, J. Rabinoff, and D. Zureick-Brown. Uniform bounds for the number of rational points on curves of small Mordell-Weil rank. *Duke Math. J.*, 165(16):3189–3240, 2016.
- [947] S. Kawaguchi. Some remarks on rational periodic points. *Math. Res. Lett.*, 6(5-6):495–509, 1999.
- [948] S. Kawaguchi. Canonical height functions for affine plane automorphisms. *Math. Ann.*, 335(2):285–310, 2006.
- [949] S. Kawaguchi. Canonical heights, invariant currents, and dynamical eigensystems of morphisms for line bundles. *J. Reine Angew. Math.*, 597:135–173, 2006.
- [950] S. Kawaguchi. Canonical heights for random iterations in certain varieties. *Int. Math. Res. Not. IMRN*, (7):Art. ID rnm 023, 33, 2007.
- [951] S. Kawaguchi. Projective surface automorphisms of positive topological entropy from an arithmetic viewpoint. *Amer. J. Math.*, 130(1):159–186, 2008.
- [952] S. Kawaguchi. Introduction to algebraic and arithmetic dynamics—a survey. In *Algebraic number theory and related topics 2009*, RIMS Kôkyûroku Bessatsu, B25, pages 103–123. Res. Inst. Math. Sci. (RIMS), Kyoto, 2011.
- [953] S. Kawaguchi. Local and global canonical height functions for affine space regular automorphisms. *Algebra Number Theory*, 7(5):1225–1252, 2013.
- [954] S. Kawaguchi, S. Mukai, and K.-I. Yoshikawa. j -invariant and Borcherds phi-function, 2021. [arXiv:2103.02540](https://arxiv.org/abs/2103.02540).
- [955] S. Kawaguchi and J. H. Silverman. Dynamics of projective morphisms having identical canonical heights. *Proc. Lond. Math. Soc. (3)*, 95(2):519–544, 2007. Addendum: *Proc. Lond. Math. Soc. (3)* 97 (2008), 272.
- [956] S. Kawaguchi and J. H. Silverman. Canonical heights and the arithmetic complexity of morphisms on projective space. *Pure Appl. Math. Q.*, 5(4, Special Issue: In honor of John Tate. Part 1):1201–1217, 2009.
- [957] S. Kawaguchi and J. H. Silverman. Nonarchimedean Green functions and dynamics on projective space, 2009.
- [958] S. Kawaguchi and J. H. Silverman. On algebraic, arithmetic, and cohomological entropies, 2012. in preparation.
- [959] S. Kawaguchi and J. H. Silverman. Examples of dynamical degree equals arithmetic degree. *Michigan Math. J.*, 63(1):41–63, 2014.
- [960] S. Kawaguchi and J. H. Silverman. Dynamical canonical heights for Jordan blocks, arithmetic degrees of orbits, and nef canonical heights on abelian varieties. *Trans. Amer. Math. Soc.*, 368(7):5009–5035, 2016.
- [961] S. Kawaguchi and J. H. Silverman. On the dynamical and arithmetic degrees of rational self-maps of algebraic varieties. *J. Reine Angew. Math.*, 713:21–48, 2016.
- [962] S. Kawaguchi and J. H. Silverman. Addendum to “Dynamical canonical heights for Jordan blocks, arithmetic degrees of orbits, and nef canonical heights on abelian varieties”. *Trans. Amer. Math. Soc.*, 373(3):2253, 2020.
- [963] S. Kawaguchi and J. H. Silverman. Erratum to On the dynamical and arithmetic degrees of rational self-maps of algebraic varieties (J. reine angew. Math. 713 (2016), 21–48). *J. Reine Angew. Math.*, 761:291–292, 2020.
- [964] M. Kazalicki and B. Naskręcki. Second moments and the bias conjecture for the family of cubic pencils, 2020. [arXiv:2012.11306](https://arxiv.org/abs/2012.11306).
- [965] L. Keen. Julia sets of rational maps. In *Complex Dynamical Systems*, volume 49 of *Proceedings of Symposia in Applied Mathematics*, pages 71–90. American Mathematical Society, 1994. Cincinnati (1994).
- [966] B. Kerr, J. Mello, and I. E. Shparlinski. On elements of large order of elliptic curves and multiplicative dependent images of rational functions over finite fields, 2020. [arXiv:2008.00433](https://arxiv.org/abs/2008.00433).

- [967] M. Khamraev and F. Mukhamedov. On a class of rational p -adic dynamical systems. *J. Math. Anal. Appl.*, 315(1):76–89, 2006.
- [968] V. P. Kharchenko and N. M. Glazunov. Formal and non-Archimedean structures of dynamical systems on manifolds. *Kibernet. Sistem. Anal.*, 55(3):45–55, 2019.
- [969] I. Khayutin. Large deviations and effective equidistribution. *Int. Math. Res. Not. IMRN*, (10):3050–3106, 2017.
- [970] A. Khrennikov. *Non-Archimedean analysis: quantum paradoxes, dynamical systems and biological models*, volume 427 of *Mathematics and its Applications*. Kluwer Academic Publishers, Dordrecht, 1997.
- [971] A. Khrennikov. p -adic dynamical systems: description of concurrent struggle in a biological population with limited growth. *Dokl. Akad. Nauk*, 361(6):752–754, 1998.
- [972] A. Khrennikov. p -adic discrete dynamical systems and collective behaviour of information states in cognitive models. *Discrete Dynamics in Nature and Society*, 5(1):59–69, 2000.
- [973] A. Khrennikov. Ergodic and non-ergodic behaviour for dynamical systems in rings of p -adic integers. In *Fourth Italian-Latin American Conference on Applied and Industrial Mathematics (Havana, 2001)*, pages 404–409. Inst. Cybern. Math. Phys., Havana, 2001.
- [974] A. Khrennikov. Small denominators in complex p -adic dynamics. *Indag. Math. (N.S.)*, 12(2):177–189, 2001.
- [975] A. Khrennikov, K.-O. Lindahl, and M. Gundlach. Ergodicity in the p -adic framework. In *Operator Methods in Ordinary and Partial Differential Equations (Stockholm, 2000)*, volume 132 of *Oper. Theory Adv. Appl.*, pages 245–251. Birkhäuser, Basel, 2002.
- [976] A. Khrennikov and M. Nilson. *p -adic Deterministic and Random Dynamics*, volume 574 of *Mathematics and Its Applications*. Kluwer Academic Publishers, Dordrecht, 2004.
- [977] A. Khrennikov and M. Nilsson. On the number of cycles of p -adic dynamical systems. *J. Number Theory*, 90(2):255–264, 2001.
- [978] A. Khrennikov and M. Nilsson. Behaviour of Hensel perturbations of p -adic monomial dynamical systems. *Anal. Math.*, 29(2):107–133, 2003.
- [979] A. Khrennikov, M. Nilsson, and R. Nyqvist. The asymptotic number of periodic points of discrete polynomial p -adic dynamical systems. In *Ultrametric functional analysis (Nijmegen, 2002)*, volume 319 of *Contemp. Math.*, pages 159–166. Amer. Math. Soc., Providence, RI, 2003.
- [980] A. Khrennikov and E. Yurova. Criteria of measure-preserving for p -adic dynamical systems in terms of the van der Put basis. *J. Number Theory*, 133(2):484–491, 2013.
- [981] O. Kihel and J. Larone. Prime rational functions. *Acta Arith.*, 169(1):29–46, 2015.
- [982] D. Kim. Integral points on the complement of plane quartics, 2017. [arXiv:1702.00735](https://arxiv.org/abs/1702.00735).
- [983] J. Kingsbery, A. Levin, A. Preygel, and C. E. Silva. Measurable dynamics of maps on profinite groups. *Indag. Math. (N.S.)*, 18(4):561–581, 2007.
- [984] J. Kingsbery, A. Levin, A. Preygel, and C. E. Silva. On measure-preserving C^1 transformations of compact-open subsets of non-Archimedean local fields. *Trans. Amer. Math. Soc.*, 361(1):61–85, 2009.
- [985] J. Kingsbery, A. Levin, A. Preygel, and C. E. Silva. Dynamics of the p -adic shift and applications. *Discrete Contin. Dyn. Syst.*, 30(1):209–218, 2011.
- [986] A. Kirson. Wild automorphisms of varieties with Kodaira dimension 0. *Ann. Univ. Ferrara Sez. VII Sci. Mat.*, 56(2):327–333, 2010.
- [987] M. Kisaka. On some exceptional rational maps. *Proc. Japan Acad. Ser. A Math. Sci.*, 71(2):35–38, 1995.

- [988] J. Kiwi. Puiseux series polynomial dynamics and iteration of complex cubic polynomials. *Ann. Inst. Fourier (Grenoble)*, 56(5):1337–1404, 2006.
- [989] D. Kleinbock, N. Shah, and A. Starkov. Dynamics of subgroup actions on homogeneous spaces of Lie groups and applications to number theory. In *Handbook of Dynamical Systems, Vol. 1A*, pages 813–930. North-Holland, Amsterdam, 2002.
- [990] A. W. Knap. *Elliptic Curves*, volume 40 of *Mathematical Notes*. Princeton University Press, Princeton, NJ, 1992.
- [991] S. Kobayashi and T. Ochiai. Meromorphic mappings onto compact complex spaces of general type. *Invent. Math.*, 31(1):7–16, 1975.
- [992] N. Koblitz. *p -adic Numbers, p -adic Analysis, and Zeta-Functions*, volume 58 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, second edition, 1984.
- [993] N. Koblitz. *Introduction to Elliptic Curves and Modular Forms*, volume 97 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, second edition, 1993.
- [994] S. Koch. Teichmüller theory and critically finite endomorphisms. *Adv. Math.*, 248:573–617, 2013.
- [995] S. Koch and R. K. W. Roeder. Computing dynamical degrees of rational maps on moduli space. *Ergodic Theory Dynam. Systems*, 36(8):2538–2579, 2016.
- [996] J. Kollár. Severi–Brauer varieties; a geometric treatment, 2016. [arXiv:1606.04368](https://arxiv.org/abs/1606.04368).
- [997] J. Kollár and S. Mori. *Birational Geometry of Algebraic Varieties*, volume 134 of *Cambridge Tracts in Mathematics*. Cambridge University Press, Cambridge, 1998. With the collaboration of C. H. Clemens and A. Corti, Translated from the 1998 Japanese original.
- [998] S. V. Konyagin, F. Luca, B. Mans, L. Mathieson, M. Sha, and I. E. Shparlinski. Functional graphs of polynomials over finite fields. *J. Combin. Theory Ser. B*, 116:87–122, 2016.
- [999] S. V. Konyagin, S. V. Makarychev, I. E. Shparlinski, and I. V. Vyugin. On the new bound for the number of solutions of polynomial equations in subgroups and the structure of graphs of Markoff triples, 2017. [arXiv:1711.05335](https://arxiv.org/abs/1711.05335).
- [1000] S. V. Konyagin, S. V. Makarychev, I. E. Shparlinski, and I. V. Vyugin. On the structure of graphs of Markoff triples. *Q. J. Math.*, 71(2):637–648, 2020.
- [1001] S. V. Konyagin, I. E. Shparlinski, and I. V. Vyugin. Polynomial equations in subgroups and applications, 2020. [arXiv:2005.05315](https://arxiv.org/abs/2005.05315).
- [1002] J. Kool. Dynamics measured in a non-Archimedean field. *p -Adic Numbers Ultrametric Anal. Appl.*, 5(1):1–13, 2013.
- [1003] P. Koymans. The generalized Catalan equation in positive characteristic. *Int. J. Number Theory*, 2022. published online, 8 pages.
- [1004] B. Kra. Ergodic methods in additive combinatorics. In *Additive combinatorics*, volume 43 of *CRM Proc. Lecture Notes*, pages 103–143. Amer. Math. Soc., Providence, RI, 2007.
- [1005] S. G. Krantz. *A panorama of harmonic analysis*, volume 27 of *Carus Mathematical Monographs*. Mathematical Association of America, Washington, DC, 1999.
- [1006] H. Krieger. Primitive prime divisors in the critical orbit of $z^d + c$. *Int. Math. Res. Not. IMRN*, (23):5498–5525, 2013.
- [1007] H. Krieger, A. Levin, Z. Scherr, T. Tucker, Y. Yasufuku, and M. E. Zieve. Uniform boundedness of S -units in arithmetic dynamics. *Pacific J. Math.*, 274(1):97–106, 2015.
- [1008] D. Krumm. A local-global principle in the dynamics of quadratic polynomials. *Int. J. Number Theory*, 12(8):2265–2297, 2016.
- [1009] D. Krumm. Galois groups in a family of dynatomic polynomials. *J. Number Theory*, 187:469–511, 2018.

- [1010] D. Krumm. A finiteness theorem for specializations of dynatomic polynomials. *Algebra Number Theory*, 13(4):963–993, 2019.
- [1011] M. D. Kruskal. The expected number of components under a random mapping function. *Amer. Math. Monthly*, 61:392–397, 1954.
- [1012] O. Küçüksakallı. Value sets of Lattès maps over finite fields. *J. Number Theory*, 143:262–278, 2014.
- [1013] O. Küçüksakallı. Value sets of bivariate Chebyshev maps over finite fields. *Finite Fields Appl.*, 36:189–202, 2015.
- [1014] O. Küçüksakallı. Bivariate polynomial mappings associated with simple complex Lie algebras. *J. Number Theory*, 168:433–451, 2016.
- [1015] O. Küçüksakallı. On the arithmetic exceptionality of polynomial mappings. *Bull. Lond. Math. Soc.*, 50(1):143–147, 2018.
- [1016] O. Küçüksakallı. Value sets of bivariate folding polynomials over finite fields. *Finite Fields Appl.*, 54:253–272, 2018.
- [1017] O. Küçüksakallı and H. Önsiper. Arithmetic exceptionality of generalized Lattès maps. *J. Math. Soc. Japan*, 70(2):823–832, 2018.
- [1018] L. Kühne. Equidistribution in families of abelian varieties and uniformity, 2021. [arXiv:2101.10272](https://arxiv.org/abs/2101.10272).
- [1019] V. S. Kulikov and V. S. Kulikov. Generic coverings of the plane with A - D - E -singularities. *Izv. Ross. Akad. Nauk Ser. Mat.*, 64(6):65–106, 2000.
- [1020] P. Kurlberg, F. Luca, and I. Shparlinski. On the fixed points of the map $x \rightarrow x^x$ modulo a prime, 2014. [arXiv:1402.4464](https://arxiv.org/abs/1402.4464).
- [1021] J. C. Lagarias. Number theory and dynamical systems. In *The Unreasonable Effectiveness of Number Theory (Orono, ME, 1991)*, volume 46 of *Proc. Sympos. Appl. Math.*, pages 35–72. Amer. Math. Soc., Providence, RI, 1992.
- [1022] J. C. Lagarias. The $3x + 1$ problem: An annotated bibliography, I & II, 2006. [ArXiv:math.NT/0309224](https://arxiv.org/abs/math.NT/0309224), [ArXiv:math.NT/0608208](https://arxiv.org/abs/math.NT/0608208).
- [1023] J. C. Lagarias and N. J. A. Sloane. Approximate squaring. *Experiment. Math.*, 13(1):113–128, 2004.
- [1024] S. Laishram, R. Sarma, and H. Sharma. Stability of certain higher degree polynomials, 2022. [arXiv:2206.04290](https://arxiv.org/abs/2206.04290).
- [1025] E. Landau. Verschärfung eines Romanoffschen Satzes. *Acta Arith.*, 1:43–62, 1935.
- [1026] S. Lang. *Introduction to Transcendental Numbers*. Addison-Wesley Publishing Co., Reading, Mass.-London-Don Mills, Ont., 1966.
- [1027] S. Lang. *Elliptic Curves: Diophantine Analysis*, volume 231 of *Grundlehren der Mathematischen Wissenschaften*. Springer-Verlag, Berlin, 1978.
- [1028] S. Lang. *Introduction to Algebraic and Abelian Functions*. Springer-Verlag, Berlin, 2 edition, 1982.
- [1029] S. Lang. *Fundamentals of Diophantine Geometry*. Springer-Verlag, New York, 1983.
- [1030] S. Lang. *Elliptic Functions*, volume 112 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, second edition, 1987. With an appendix by J. Tate.
- [1031] S. Lang. *Algebraic Number Theory*, volume 110 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, second edition, 1994.
- [1032] S. Lang. *Algebra*, volume 211 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, third edition, 2002.
- [1033] S. Lattès. Sur l’iteration des substitutions rationnelles et les fonctions de Poincaré. *Comptes Rendus Acad. Sci. Paris*, 166:26–28, 1918.
- [1034] E. Lau and D. Schleicher. Internal addresses in the Mandelbrot set and irreducibility of polynomials. Technical Report 1994/19, December 1994.

- [1035] F. Laubie, A. Movahhedi, and A. Salinier. Systèmes dynamiques non archimédiens et corps des normes. *Compositio Math.*, 132(1):57–98, 2002.
- [1036] M. Laurent. Minoration de la hauteur de Néron-Tate. In *Séminaire de Théorie des Nombres*, Progress in Mathematics, pages 137–151. Birkhäuser, 1983. Paris 1981–1982.
- [1037] R. Lazarsfeld. *Positivity in algebraic geometry. I*, volume 48 of *Ergebnisse der Mathematik und ihrer Grenzgebiete. 3. Folge. A Series of Modern Surveys in Mathematics [Results in Mathematics and Related Areas. 3rd Series. A Series of Modern Surveys in Mathematics]*. Springer-Verlag, Berlin, 2004. Classical setting: line bundles and linear series.
- [1038] P. Le Boudec and N. M. Mavraki. Arithmetic dynamics of random polynomials, 2022. [arXiv:2112.12005](https://arxiv.org/abs/2112.12005).
- [1039] C. Lee. Height estimates for dominant endomorphisms on projective varieties, 2010. [arXiv:1008.2394](https://arxiv.org/abs/1008.2394).
- [1040] C. G. Lee. *Height estimates for rational maps*. ProQuest LLC, Ann Arbor, MI, 2010. Thesis (Ph.D.)—Brown University.
- [1041] C. G. Lee. Height bound and preperiodic points for jointly regular families of rational maps. *J. Korean Math. Soc.*, 48(6):1171–1187, 2011.
- [1042] C. G. Lee. Equidistribution of periodic points of some automorphisms on $K3$ surfaces. *Bull. Korean Math. Soc.*, 49(2):307–317, 2012.
- [1043] C. G. Lee. The numerical equivalence relation for height functions and ampleness and nefness criteria for divisors. *Bull. Lond. Math. Soc.*, 44(5):944–960, 2012.
- [1044] C. G. Lee. The equidistribution of small points for strongly regular pairs of polynomial maps. *Math. Z.*, 275(3-4):1047–1072, 2013.
- [1045] C. G. Lee. An upper bound for the height for regular affine automorphisms of \mathbb{A}^n . *Math. Ann.*, 355(1):1–16, 2013.
- [1046] C. G. Lee. Height inequality for rational maps and bounds for preperiodic points. *Bull. Korean Math. Soc.*, 55(5):1317–1332, 2018.
- [1047] C. G. Lee and J. H. Silverman. GIT stability of Hénon maps. *Proc. Amer. Math. Soc.*, 148(10):4263–4272, 2020.
- [1048] C. G. Lee and H. Ye. Finiteness of commutable maps of bounded degree. *Bull. Korean Math. Soc.*, 52(1):45–56, 2015.
- [1049] J. Lee. An alternative proof of the non-Archimedean Montel theorem for polynomial dynamics. In *Advances in non-Archimedean analysis*, volume 665 of *Contemp. Math.*, pages 133–137. Amer. Math. Soc., Providence, RI, 2016.
- [1050] J. Lee. An alternative proof of the non-Archimedean Montel theorem for rational dynamics. *Proc. Japan Acad. Ser. A Math. Sci.*, 92(4):56–58, 2016.
- [1051] J. Lee. J -stability of expanding maps in non-Archimedean dynamics. *Ergodic Theory Dynam. Systems*, 39(4):1002–1019, 2019.
- [1052] D. H. Lehmer. Factorization of certain cyclotomic functions. *Ann. of Math. (2)*, 34(3):461–479, 1933.
- [1053] A. K. Lenstra, H. W. Lenstra, Jr., and L. Lovász. Factoring polynomials with rational coefficients. *Math. Ann.*, 261(4):515–534, 1982.
- [1054] E. Lerner. The uniform distribution of sequences generated by iterated polynomials. *p -Adic Numbers Ultrametric Anal. Appl.*, 11(4):280–298, 2019.
- [1055] J. Lesieutre. A projective variety with discrete, non-finitely generated automorphism group, 2016. [arXiv:1609.06391](https://arxiv.org/abs/1609.06391).
- [1056] J. Lesieutre. A projective variety with discrete, non-finitely generated automorphism group. *Invent. Math.*, 212(1):189–211, 2018.

- [1057] J. Lesieutre. Some constraints on positive entropy automorphisms of smooth threefolds. *Ann. Sci. Éc. Norm. Supér.*, 51(6):1507–1547, 2018.
- [1058] J. Lesieutre and D. Litt. Dynamical Mordell-Lang and automorphisms of blow-ups. *Algebr. Geom.*, 6(1):1–25, 2019.
- [1059] J. Lesieutre and M. Satriano. A rational map with infinitely many points of distinct arithmetic degrees. *Ergodic Theory Dynam. Systems*, 40(11):3051–3055, 2020.
- [1060] J. Lesieutre and M. Satriano. Canonical heights on hyper-Kähler varieties and the Kawaguchi-Silverman conjecture. *Int. Math. Res. Not. IMRN*, (10):7677–7714, 2021.
- [1061] A. Levin. Rational preimages in families of dynamical systems. *Monatsh. Math.*, 168(3-4):473–501, 2012.
- [1062] A. Levin and Y. Yasufuku. Integral points and orbits of endomorphisms on the projective plane, 2016. [arXiv:1604.00920](https://arxiv.org/abs/1604.00920).
- [1063] G. Levin. Multipliers of periodic orbits of quadratic polynomials and the parameter plane. *Israel J. Math.*, 170:285–315, 2009.
- [1064] G. Levin. Multipliers of periodic orbits in spaces of rational maps. *Ergodic Theory Dynam. Systems*, 31(1):197–243, 2011.
- [1065] G. Levin and F. Przytycki. When do two rational functions have the same Julia set? *Proc. Amer. Math. Soc.*, 125(7):2179–2190, 1997.
- [1066] G. Levin, W. Shen, and S. van Strien. Transversality for critical relations of families of rational maps: an elementary proof. In *New trends in one-dimensional dynamics*, volume 285 of *Springer Proc. Math. Stat.*, pages 201–220. Springer, Cham, [2019] ©2019.
- [1067] A. Levy. The space of morphisms on projective space. *Acta Arith.*, 146(1):13–31, 2011.
- [1068] A. Levy. The semistable reduction problem for the space of morphisms on \mathbb{P}^n . *Algebra Number Theory*, 6(7):1483–1501, 2012.
- [1069] A. Levy. The McMullen map in positive characteristic, 2013. [arXiv:1304.2834](https://arxiv.org/abs/1304.2834).
- [1070] A. Levy. Isolated periodic points in several nonarchimedean variables, 2015. [arXiv:1511.00793](https://arxiv.org/abs/1511.00793).
- [1071] A. Levy, M. Manes, and B. Thompson. Uniform bounds for preperiodic points in families of twists. *Proc. Amer. Math. Soc.*, 142(9):3075–3088, 2014.
- [1072] D. Lewis. Invariant set of morphisms on projective and affine number spaces. *Journal of Algebra*, 20:419–434, 1972.
- [1073] H.-C. Li. Counting periodic points of p -adic power series. *Compositio Math.*, 100(3):351–364, 1996.
- [1074] H.-C. Li. p -adic dynamical systems and formal groups. *Compositio Math.*, 104(1):41–54, 1996.
- [1075] H.-C. Li. p -adic periodic points and Sen’s theorem. *J. Number Theory*, 56(2):309–318, 1996.
- [1076] H.-C. Li. When is a p -adic power series an endomorphism of a formal group? *Proc. Amer. Math. Soc.*, 124(8):2325–2329, 1996.
- [1077] H.-C. Li. Isogenies between dynamics of formal groups. *J. Number Theory*, 62(2):284–297, 1997.
- [1078] H.-C. Li. p -adic power series which commute under composition. *Trans. Amer. Math. Soc.*, 349(4):1437–1446, 1997.
- [1079] H.-C. Li. On dynamics of power series over unramified extensions of \mathbb{Q}_p . *J. Reine Angew. Math.*, 545:183–200, 2002.
- [1080] H.-C. Li. On heights of p -adic dynamical systems. *Proc. Amer. Math. Soc.*, 130(2):379–386 (electronic), 2002.
- [1081] H.-C. Li. p -typical dynamical systems and formal groups. *Compositio Math.*, 130(1):75–88, 2002.

- [1082] H.-C. Li. Arboreal Galois representation for a certain type of quadratic polynomials. *Arch. Math. (Basel)*, 114(3):265–269, 2020.
- [1083] R. Li and I. E. Shparlinski. Effective bounds on multiplicatively dependent orbits of integer polynomials modulo S -integers, 2020. [arXiv:2001.09721](#).
- [1084] S. Li. Kawaguchi–Silverman conjecture on birational automorphisms of projective threefolds, 2022. [arXiv:2209.06815](#).
- [1085] S. Li. Zariski orbit dense conjecture on birational automorphisms of projective threefolds, 2022. [arXiv:2208.02616](#).
- [1086] K. Liang and J. Rouse. The density of odd order reductions for elliptic curves with a rational point of order 2, 2018. [arXiv:1810.10583](#).
- [1087] R. Lidl and G. L. Mullen. Unsolved Problems: When Does a Polynomial Over a Finite Field Permute the Elements of the Field? *Amer. Math. Monthly*, 95(3):243–246, 1988.
- [1088] R. Lidl and G. L. Mullen. Unsolved Problems: When Does a Polynomial over a Finite Field Permute the Elements of the Field?, II. *Amer. Math. Monthly*, 100(1):71–74, 1993.
- [1089] R. Lidl and H. Niederreiter. *Finite Fields*, volume 20 of *Encyclopedia of Mathematics and Its Applications*. Cambridge University Press, Cambridge, second edition, 1997. With a foreword by P. M. Cohn.
- [1090] J.-L. Lin. Algebraic stability and degree growth of monomial maps. *Math. Z.*, 271(1-2):293–311, 2012.
- [1091] J.-L. Lin. Pulling back cohomology classes and dynamical degrees of monomial maps. *Bull. Soc. Math. France*, 140(4):533–549 (2013), 2012.
- [1092] J.-L. Lin. Pulling back cohomology classes and dynamical degrees of monomial maps. *Bull. Soc. Math. France*, 140(4):533–549 (2013), 2012.
- [1093] J.-L. Lin. On the arithmetic dynamics of monomial maps. *Ergodic Theory Dynam. Systems*, 39(12):3388–3406, 2019.
- [1094] J.-L. Lin and C.-H. Wang. Canonical height functions for monomial maps, 2012. [arXiv:1205.2020](#).
- [1095] J.-L. Lin and E. Wolcan. Stabilization of monomial maps in higher codimension. *Ann. Inst. Fourier (Grenoble)*, 64(5):2127–2146, 2014.
- [1096] Q. Lin and M.-X. Wang. Isogeny orbits in a family of abelian varieties, 2014. [arXiv:1403.3976](#).
- [1097] D. Lind and K. Schmidt. Symbolic and algebraic dynamical systems. In *Handbook of Dynamical Systems, Vol. 1A*, pages 765–812. North-Holland, Amsterdam, 2002.
- [1098] D. Lind and K. Schmidt. Mahler’s work and algebraic dynamical systems, 2018. [arXiv:1803.05862](#).
- [1099] D. Lind, K. Schmidt, and T. Ward. Mahler measure and entropy for commuting automorphisms of compact groups. *Invent. Math.*, 101(3):593–629, 1990.
- [1100] D. Lind and T. Ward. Automorphisms of solenoids and p -adic entropy. *Ergodic Theory Dynam. Systems*, 8(3):411–419, 1988.
- [1101] K.-O. Lindahl. On Siegel’s linearization theorem for fields of prime characteristic. *Non-linearity*, 17(3):745–763, 2004.
- [1102] K.-O. Lindahl. Linearization in ultrametric dynamics in fields of characteristic zero—equal characteristic case. *P-Adic Numbers Ultrametric Anal. Appl.*, 1(4):307–316, 2009.
- [1103] K.-O. Lindahl. Divergence and convergence of conjugacies in non-Archimedean dynamics. In *Advances in p -adic and non-Archimedean analysis*, volume 508 of *Contemp. Math.*, pages 89–109. Amer. Math. Soc., Providence, RI, 2010.
- [1104] K.-O. Lindahl and J. Rivera-Letelier. Optimal cycles in ultrametric dynamics and minimally ramified power series. *Compos. Math.*, 152(1):187–222, 2016.
- [1105] K.-O. Lindahl and M. Zieve. On hyperbolic fixed points in ultrametric dynamics. *P-Adic Numbers Ultrametric Anal. Appl.*, 2(3):232–240, 2010.

- [1106] B. Lindenberg. Stabilization bounds for linear finite dynamical systems. *J. Algebra*, 511:516–534, 2018.
- [1107] A. Lins Neto. Fibers of the Baum-Bott map for foliations of degree two on \mathbb{P}^2 . *Bull. Braz. Math. Soc. (N.S.)*, 43(1):129–169, 2012.
- [1108] O. Lisovyy and Y. Tykhyy. Algebraic solutions of the sixth Painlevé equation. *J. Geom. Phys.*, 85:124–163, 2014.
- [1109] F. Lo Bianco. Bornes sur les degrés dynamiques d’automorphismes de variétés kählériennes de dimension 3. *C. R. Math. Acad. Sci. Paris*, 352(6):515–519, 2014.
- [1110] F. Lo Bianco. On the primitivity of birational transformations of irreducible holomorphic symplectic manifolds. *Int. Math. Res. Not. IMRN*, (1):1–32, 2019.
- [1111] D. Lombardo. Non-isogenous abelian varieties sharing the same division fields, 2021. [arXiv:2108.04270](https://arxiv.org/abs/2108.04270).
- [1112] E. Looijenga. Root systems and elliptic curves. *Invent. Math.*, 38(1):17–32, 1976/77.
- [1113] N. Looper. Dynamical Galois groups of trinomials and Odoni’s conjecture. *Bull. Lond. Math. Soc.*, 51(2):278–292, 2019.
- [1114] N. Looper. A lower bound on the canonical height for polynomials. *Math. Ann.*, 373(3-4):1057–1074, 2019.
- [1115] N. Looper. The uniform boundedness and dynamical Lang conjectures for polynomials, 2021. [arXiv:2105.05240](https://arxiv.org/abs/2105.05240).
- [1116] N. R. Looper. The *abc*-conjecture implies uniform bounds on dynamical Zsigmondy sets, 2017. [arXiv:1711.01507](https://arxiv.org/abs/1711.01507).
- [1117] N. R. Looper. A Bogomolov property for the canonical height of maps with superattracting periodic points, 2021. [arXiv:2106.13003](https://arxiv.org/abs/2106.13003).
- [1118] N. R. Looper. Dynamical uniform boundedness and the *abc*-conjecture. *Invent. Math.*, 225(1):1–44, 2021.
- [1119] N. R. Looper and J. H. Silverman. A Lehmer-type height lower bound for abelian surfaces over function fields, 2021. [arXiv:2108.09577](https://arxiv.org/abs/2108.09577).
- [1120] T. A. Loring. Factorization of matrices of quaternions. *Expo. Math.*, 30(3):250–267, 2012.
- [1121] J. H. Lowenstein and F. Vivaldi. Approach to a rational rotation number in a piecewise isometric system. *Nonlinearity*, 23(10):2677–2721, 2010.
- [1122] J. Lubin. Non-Archimedean dynamical systems. *Compositio Math.*, 94(3):321–346, 1994.
- [1123] J. Lubin. Sen’s theorem on iteration of power series. *Proc. Amer. Math. Soc.*, 123(1):63–66, 1995.
- [1124] J. Lubin. Formal flows on the non-Archimedean open unit disk. *Compositio Math.*, 124(2):123–136, 2000.
- [1125] J. Lubin. Seminar on *p*-adic time in nonarchimedean dynamical systems. Seminar at Brown University, prepared April 25, 1996.
- [1126] J. D. Lubin and G. Y. Sarkis. Extrinsic properties of automorphism groups of formal groups. *J. Algebra*, 315(2):874–884, 2007.
- [1127] A. Lubotzky and D. Segal. *Subgroup growth*, volume 212 of *Progress in Mathematics*. Birkhäuser Verlag, Basel, 2003.
- [1128] F. Luca and T. Ward. An elliptic sequence is not a sampled linear recurrence sequence, 2016. to appear in *New York J. Math.*, [arXiv:1610.08109](https://arxiv.org/abs/1610.08109).
- [1129] D. Lukas, M. Manes, and D. Yap. A census of quadratic post-critically finite rational functions defined over \mathbb{Q} . *LMS J. Comput. Math.*, 17(suppl. A):314–329, 2014.
- [1130] O. Lukina. Arboreal Cantor actions. *J. Lond. Math. Soc. (2)*, 99(3):678–706, 2019.
- [1131] D. Luna. Adhérences d’orbite et invariants. *Invent. Math.*, 29(3):231–238, 1975.

- [1132] M. Y. Lyubich. Some typical properties of the dynamics of rational mappings. *Uspekhi Mat. Nauk*, 38(5(233)):197–198, 1983.
- [1133] A. Lyzzaik. The geometry of some classes of folding polynomials. *Complex Variables Theory Appl.*, 20(1-4):145–155, 1992.
- [1134] M. Maculan. Height on GIT quotients and Kempf–Ness theory, 2014. [arXiv:1411.6786](https://arxiv.org/abs/1411.6786).
- [1135] M. Maculan. Diophantine applications of geometric invariant theory. *Mém. Soc. Math. Fr. (N.S.)*, (152):149, 2017.
- [1136] K. Maegawa. Classification of quadratic polynomial automorphisms of \mathbb{C}^3 from a dynamical point of view. *Indiana Univ. Math. J.*, 50(2):935–951, 2001.
- [1137] K. Maegawa. Quadratic polynomial automorphisms of dynamical degree golden ratio of \mathbb{C}^3 . *Ergodic Theory Dynam. Systems*, 21(3):823–832, 2001.
- [1138] K. Mahler. On the lattice points on curves of genus 1. *Proc. Lond. Math. Soc., II. Ser.*, 39:431–466, 1935.
- [1139] M. Majidi-Zolbanin and N. Miasnikov. Entropy in the category of perfect complexes with cohomology of finite length. *J. Pure Appl. Algebra*, 223(6):2585–2597, 2019.
- [1140] M. Maller and J. Whitehead. p -adic dynamics and angle doubling. *p-Adic Numbers Ultrametric Anal. Appl.*, 5(1):14–21, 2013.
- [1141] R. Mañé, P. Sad, and D. Sullivan. On the dynamics of rational maps. *Ann. Sci. École Norm. Sup. (4)*, 16(2):193–217, 1983.
- [1142] M. Manes. *Arithmetic Dynamics and Moduli Spaces of Rational Maps*. PhD thesis, Brown University, 2007.
- [1143] M. Manes. \mathbb{Q} -rational cycles for degree-2 rational maps having an automorphism. *Proc. Lond. Math. Soc. (3)*, 96(3):669–696, 2008.
- [1144] M. Manes. Moduli spaces for families of rational maps on \mathbb{P}^1 . *J. Number Theory*, 129(7):1623–1663, 2009.
- [1145] M. Manes, G. Melamed, and B. Tobin. Dessins d’enfants for single-cycle Belyi maps, 2019. [arXiv:1908.10459](https://arxiv.org/abs/1908.10459).
- [1146] M. Manes and J. H. Silverman. A classification of degree 2 semi-stable rational maps $\mathbb{P}^2 \rightarrow \mathbb{P}^2$ with large finite dynamical automorphism group. *Ann. Fac. Sci. Toulouse Math. (6)*, 28(4):733–811, 2019.
- [1147] M. Manes and B. Thompson. Periodic points in towers of finite fields for polynomials associated to algebraic groups. *Rocky Mountain J. Math.*, 49(1):171–197, 2019.
- [1148] M. Manes and Y. Yasufuku. Explicit descriptions of quadratic maps on \mathbb{P}^1 . *Acta Arith.*, 148(3):257–267, 2011.
- [1149] B. Mans, M. Sha, I. E. Shparlinski, and D. Sutantyó. On functional graphs of quadratic polynomials. *Exp. Math.*, 0(0):1–9, 2017.
- [1150] S. Marcello. *Sur la dynamique arithmétique des automorphismes affines*. PhD thesis, Université Paris 7, 2000.
- [1151] S. Marcello. Sur les propriétés arithmétiques des itérés d’automorphismes réguliers. *C. R. Acad. Sci. Paris Sér. I Math.*, 331(1):11–16, 2000.
- [1152] S. Marcello. Géométrie, points rationnels et itérés des automorphismes de l’espace affine, 2003. [ArXiv:math.NT/0310434](https://arxiv.org/abs/math/0310434).
- [1153] S. Marcello. Sur des invariants géométriques associés aux automorphismes du plan affine, 2003. [ArXiv:math.AG/0310454](https://arxiv.org/abs/math/0310454).
- [1154] S. Marcello. Sur la dynamique arithmétique des automorphismes de l’espace affine. *Bull. Soc. Math. France*, 131(2):229–257, 2003.
- [1155] S. Marcello. Sur la dynamique p -adique arithmétique des automorphismes de l’espace affine, 2003. [ArXiv:math.NT/0310417](https://arxiv.org/abs/math/0310417).
- [1156] A. Marinatto. The field of definition of point sets in \mathbb{P}^1 . *J. Algebra*, 381:176–199, 2013.

- [1157] A. Markoff. Sur les formes quadratiques binaires indéfinies. *Math. Ann.*, 17(3):379–399, 1880.
- [1158] R. Martins and D. Panario. On the heuristic of approximating polynomials over finite fields by random mappings, 2015. [arXiv:1505.02983](#).
- [1159] D. Masser and U. Zannier. Torsion anomalous points and families of elliptic curves. *C. R. Math. Acad. Sci. Paris*, 346(9-10):491–494, 2008.
- [1160] D. Masser and U. Zannier. Torsion anomalous points and families of elliptic curves. *Amer. J. Math.*, 132(6):1677–1691, 2010.
- [1161] D. W. Masser. Small values of the quadratic part of the Néron-Tate height on an abelian variety. *Compositio Math.*, 53(2):153–170, 1984.
- [1162] D. W. Masser. Counting points of small height on elliptic curves. *Bull. Soc. Math. France*, 117(2):247–265, 1989.
- [1163] D. W. Masser. Specializations of finitely generated subgroups of abelian varieties. *Trans. Amer. Math. Soc.*, 311(1):413–424, 1989.
- [1164] A. M. Masuda and M. E. Zieve. Rational functions with linear relations. *Proc. Amer. Math. Soc.*, 136(4):1403–1408, 2008.
- [1165] H. Matsumura. On algebraic groups of birational transformations. *Atti Accad. Naz. Lincei Rend. Cl. Sci. Fis. Mat. Nat. (8)*, 34:151–155, 1963.
- [1166] T. Matsusaka. Polarized varieties, fields of moduli and generalized Kummer varieties of polarized abelian varieties. *Amer. J. Math.*, 80:45–82, 1958.
- [1167] Y. Matsuzawa. Growth of local height functions along orbits of self-morphisms on projective varieties, 2020. [arXiv:2005.08093](#).
- [1168] Y. Matsuzawa. Growth of local height functions along orbits of self-morphisms on projective varieties, 2020. [arXiv:xxx](#).
- [1169] Y. Matsuzawa. Height functions associated with closed subschemes, 2020. [arXiv:2008.08153](#).
- [1170] Y. Matsuzawa. Kawaguchi-Silverman conjecture for endomorphisms on several classes of varieties. *Adv. Math.*, 366:107086, 2020.
- [1171] Y. Matsuzawa. On upper bounds of arithmetic degrees. *Amer. J. Math.*, 142(6):1797–1820, 2020.
- [1172] Y. Matsuzawa. Vojta’s conjecture, heights associated with subschemes, and primitive prime divisors in arithmetic dynamics, 2020. [arXiv:2012.04693](#).
- [1173] Y. Matsuzawa, S. Meng, T. Shibata, and D.-Q. Zhang. Non-density of points of small arithmetic degrees, 2020. [arXiv:2002.10976](#).
- [1174] Y. Matsuzawa, S. Meng, T. Shibata, D.-Q. Zhang, and G. Zhong. Invariant subvarieties with small dynamical degree, 2020. [arXiv:2005.13368](#).
- [1175] Y. Matsuzawa and K. Sano. Arithmetic and dynamical degrees of self-morphisms of semi-abelian varieties. *Ergodic Theory Dynam. Systems*, 40(6):1655–1672, 2020.
- [1176] Y. Matsuzawa, K. Sano, and T. Shibata. Arithmetic degrees and dynamical degrees of endomorphisms on surfaces. *Algebra Number Theory*, 12(7):1635–1657, 2018.
- [1177] Y. Matsuzawa, K. Sano, and T. Shibata. Arithmetic degrees for dynamical systems over function fields of characteristic zero. *Math. Z.*, 290(3-4):1063–1083, 2018.
- [1178] Y. Matsuzawa and J. H. Silverman. The distribution relation and inverse function theorem in arithmetic geometry. *J. Number Theory*, 226:307–357, 2021.
- [1179] Y. Matsuzawa and S. Yoshikawa. Kawaguchi–Silverman conjecture for endomorphisms on rationally connected varieties admitting an int-amplified endomorphism, 2019. [arXiv:1908.11537](#).
- [1180] N. M. Mavraki and H. Schmidt. On the dynamical Bogomolov conjecture for families of split rational maps, 2022. [arXiv:2201.10455](#).

- [1181] N. M. Mavraki, H. Schmidt, and R. Wilms. Height coincidences in products of the projective line, 2022. [arXiv:2208.01597](#).
- [1182] N. M. Mavraki and H. Ye. Quasi-adelic measures and equidistribution on \mathbb{P}^1 , 2017. [arXiv:1502.04660](#).
- [1183] B. Mazur. Modular curves and the Eisenstein ideal. *Inst. Hautes Études Sci. Publ. Math.*, (47):33–186 (1978), 1977.
- [1184] J. McKee. Computing division polynomials. *Math. Comp.*, 63(208):767–771, 1994.
- [1185] E. M. McMillan. A problem in the stability of periodic systems. In *Topics in Modern Physics: A Tribute to E. U. Condon*, pages 219–244. Colorado Assoc. Univ. Press, Boulder, CO, 1971.
- [1186] C. T. McMullen. Families of rational maps and iterative root-finding algorithms. *Ann. of Math. (2)*, 125(3):467–493, 1987.
- [1187] C. T. McMullen. *Complex dynamics and renormalization*, volume 135 of *Annals of Mathematics Studies*. Princeton University Press, Princeton, NJ, 1994.
- [1188] C. T. McMullen. From dynamics on surfaces to rational points on curves. *Bull. Amer. Math. Soc. (N.S.)*, 37(2):119–140, 2000.
- [1189] C. T. McMullen. Dynamics on $K3$ surfaces: Salem numbers and Siegel disks. *J. Reine Angew. Math.*, 545:201–233, 2002.
- [1190] C. T. McMullen. $K3$ surfaces, entropy and glue. *J. Reine Angew. Math.*, 658:1–25, 2011.
- [1191] C. T. McMullen. Automorphisms of projective $K3$ surfaces with minimum entropy. *Invent. Math.*, 203(1):179–215, 2016.
- [1192] C. T. McMullen and D. P. Sullivan. Quasiconformal homeomorphisms and dynamics. III. The Teichmüller space of a holomorphic dynamical system. *Adv. Math.*, 135(2):351–395, 1998.
- [1193] M. McQuillan. Division points on semi-abelian varieties. *Invent. Math.*, 120(1):143–159, 1995.
- [1194] A. Medvedev, K. D. Nguyen, and T. Scanlon. Skew-invariant curves and the algebraic independence of Mahler functions, 2022. [arXiv:2203.05083](#).
- [1195] A. Medvedev and T. Scanlon. Polynomial dynamics, 2009. [arXiv:0901.2352](#).
- [1196] A. Medvedev and T. Scanlon. Invariant varieties for polynomial dynamical systems. *Ann. of Math. (2)*, 179(1):81–177, 2014.
- [1197] J. Mello. A bound for the sum of heights on iterates in terms of a dynamical degree, 2017. [arXiv:1707.07782](#).
- [1198] J. Mello. Canonical heights and monomial maps: on effective lower bounds for points with dense orbit. *J. Number Theory*, 205:321–339, 2019.
- [1199] J. Mello. On intersections of polynomial semigroups orbits with plane lines, 2019. [arXiv:1907.03934](#).
- [1200] J. Mello. On quantitative estimates for quasiintegral points in orbits of semigroups of rational maps. *New York J. Math.*, 25:1091–1111, 2019.
- [1201] J. Mello. On semigroup orbits of polynomials and multiplicative orders, 2019. [arXiv:1910.08539](#).
- [1202] J. Mello. On semigroup orbits of polynomials in subgroups, 2019. [arXiv:1910.07637](#).
- [1203] J. Mello. Cyclotomic preperiodic points for morphisms in affine spaces and preperiodic points with bounded house and height, 2020. [arXiv:2009.00947](#).
- [1204] J. Mello. On effective ϵ -integrality in orbits of rational maps over function fields and multiplicative dependence, 2020. [arXiv:2012.01844](#).
- [1205] J. Mello. On variation of dynamical canonical heights for semigroups of morphisms. *J. Pure Appl. Algebra*, 224(3):1195–1204, 2020.

- [1206] N. Memić. Ergodic polynomials on 2-adic spheres. *Bull. Pol. Acad. Sci. Math.*, 65(1):35–44, 2017.
- [1207] S. Mendes. On the dynamics of a cubic p -adic polynomial. In *Nonlinear maps and their applications*, volume 57 of *Springer Proc. Math. Stat.*, pages 141–148. Springer, New York, 2014.
- [1208] S. Meng and D.-Q. Zhang. Kawaguchi–Silverman conjecture for surjective endomorphisms, 2019. [arXiv:1908.01605](https://arxiv.org/abs/1908.01605).
- [1209] L. Mérai, A. Ostafe, and I. Shparlinski. Dynamical irreducibility of polynomials in reduction modulo primes, 2019. [arXiv:1905.11657](https://arxiv.org/abs/1905.11657).
- [1210] L. Merai and I. E. Shparlinski. On the dynamical system generated by the Möbius transformation at prime times, 2020. [arXiv:2009.01089](https://arxiv.org/abs/2009.01089).
- [1211] L. Mérai and I. E. Shparlinski. Unlikely intersections over finite fields: polynomial orbits in small subgroups. *Discrete Contin. Dyn. Syst.*, 40(2):1065–1073, 2020.
- [1212] L. Merel. Bornes pour la torsion des courbes elliptiques sur les corps de nombres. *Invent. Math.*, 124(1-3):437–449, 1996.
- [1213] J.-Y. Mérindol. Propriétés élémentaires des surfaces $K3$. *Astérisque*, (126):45–57, 1985. Geometry of $K3$ surfaces: moduli and periods (Palaiseau, 1981/1982).
- [1214] N. Metropolis, M. L. Stein, and P. R. Stein. Permanents of cyclic $(0, 1)$ matrices. *J. Combinatorial Theory*, 7:291–321, 1969.
- [1215] C. Meyer. *Matrix analysis and applied linear algebra*. Society for Industrial and Applied Mathematics (SIAM), Philadelphia, PA, 2000. With 1 CD-ROM (Windows, Macintosh and UNIX) and a solutions manual (iv+171 pp.).
- [1216] N. Miasnikov, B. Stout, and P. Williams. Automorphism loci for the moduli space of rational maps. *Acta Arith.*, 180(3):267–296, 2017.
- [1217] M. Mignotte. A note on linear recursive sequences. *J. Austral. Math. Soc.*, 20(2):242–244, 1975.
- [1218] G. Mikhalkin and I. Zharkov. Tropical curves, their Jacobians and theta functions. In *Curves and abelian varieties*, volume 465 of *Contemp. Math.*, pages 203–230. Amer. Math. Soc., Providence, RI, 2008.
- [1219] R. Miles and T. Ward. A directional uniformity of periodic point distribution and mixing. *Discrete Contin. Dyn. Syst.*, 30(4):1181–1189, 2011.
- [1220] J. S. Milne. *Étale Cohomology*, volume 33 of *Princeton Mathematical Series*. Princeton University Press, Princeton, N.J., 1980.
- [1221] J. Milnor. Geometry and dynamics of quadratic rational maps. *Experiment. Math.*, 2(1):37–83, 1993. With an appendix by the author and Lei Tan.
- [1222] J. Milnor. *Dynamics in One Complex Variable*. Friedr. Vieweg & Sohn, Braunschweig, 1999.
- [1223] J. Milnor. On rational maps with two critical points. *Experiment. Math.*, 9(4):481–522, 2000.
- [1224] J. Milnor. *Dynamics in one complex variable*, volume 160 of *Annals of Mathematics Studies*. Princeton University Press, Princeton, NJ, third edition, 2006.
- [1225] J. Milnor. On Lattès maps. In *Dynamics on the Riemann sphere*, pages 9–43. Eur. Math. Soc., Zürich, 2006. [ArXiv:math.DS/0402147](https://arxiv.org/abs/math/0402147), Stony Brook IMS Preprint #2004/01.
- [1226] J. Milnor. Cubic polynomial maps with periodic critical orbit. I. In *Complex dynamics*, pages 333–411. A K Peters, Wellesley, MA, 2009.
- [1227] A. Mimar. *On the preperiodic points of an endomorphism of $\mathbb{P}^1 \times \mathbb{P}^1$ which lie on a curve*. PhD thesis, Columbia University, 19997.
- [1228] P. Miska and T. Ward. Stirling number and periodic points, 2021. [arXiv:2102.07561](https://arxiv.org/abs/2102.07561).

- [1229] L. J. Mordell. On the integer solutions of the equation $x^2 + y^2 + z^2 + 2xyz = n$. *J. London Math. Soc.*, 28:500–510, 1953.
- [1230] L. Moret-Bailly. Un théorème de l’application ouverte sur les corps valués algébriquement clos. *Math. Scand.*, 111(2):161–168, 2012.
- [1231] A. Moriwaki. Arithmetic height functions over finitely generated fields. *Invent. Math.*, 140(1):101–142, 2000.
- [1232] D. W. Morris. *Ratner’s Theorems on Unipotent Flows*. Chicago Lectures in Mathematics. University of Chicago Press, Chicago, IL, 2005.
- [1233] P. Morton. Arithmetic properties of periodic points of quadratic maps. *Acta Arith.*, 62(4):343–372, 1992.
- [1234] P. Morton. Characterizing cyclic cubic extensions by automorphism polynomials. *J. Number Theory*, 49(2):183–208, 1994.
- [1235] P. Morton. On certain algebraic curves related to polynomial maps. *Compositio Math.*, 103(3):319–350, 1996.
- [1236] P. Morton. Periods of maps on irreducible polynomials over finite fields. *Finite Fields Appl.*, 3(1):11–24, 1997.
- [1237] P. Morton. Arithmetic properties of periodic points of quadratic maps. II. *Acta Arith.*, 87(2):89–102, 1998.
- [1238] P. Morton. Galois groups of periodic points. *J. Algebra*, 201(2):401–428, 1998.
- [1239] P. Morton. Corrigendum: ‘On certain algebraic curves related to polynomial maps, *Compositio Math.* 103 (1996), 319–350’. *Compos. Math.*, 147(1):332–334, 2011.
- [1240] P. Morton. Solutions of diophantine equations as periodic points of p -adic algebraic functions, I, 2014. [arXiv:1410.4618](https://arxiv.org/abs/1410.4618).
- [1241] P. Morton. Solutions of the cubic fermat equation in ring class fields of imaginary quadratic fields (as periodic points of a 3-adic algebraic function), 2014. [arXiv:1410.6798](https://arxiv.org/abs/1410.6798).
- [1242] P. Morton. Solutions of diophantine equations as periodic points of p -adic algebraic functions, II, 2018. [arXiv:1806.11079](https://arxiv.org/abs/1806.11079).
- [1243] P. Morton. Periodic points of algebraic functions and Deuring’s class number formula. *Ramanujan J.*, 50(2):323–354, 2019.
- [1244] P. Morton. An elementary property of the quadratic map over \mathbb{F}_q , 2021. [arXiv:2105.07435](https://arxiv.org/abs/2105.07435).
- [1245] P. Morton and P. Patel. The Galois theory of periodic points of polynomial maps. *Proc. London Math. Soc. (3)*, 68(2):225–263, 1994.
- [1246] P. Morton and J. H. Silverman. Rational periodic points of rational functions. *Internat. Math. Res. Notices*, (2):97–110, 1994.
- [1247] P. Morton and J. H. Silverman. Periodic points, multiplicities, and dynamical units. *J. Reine Angew. Math.*, 461:81–122, 1995.
- [1248] P. Morton and F. Vivaldi. Bifurcations and discriminants for polynomial maps. *Nonlinearity*, 8(4):571–584, 1995.
- [1249] E. Mosteig. Fixed points of maps on the space of rational functions. *Online J. Anal. Comb.*, (1):Art. 2, 9 pp. (electronic), 2006.
- [1250] P. Moussa. Ensembles de Julia et propriétés de localisation des entiers algébriques. In *Seminar on Number Theory, 1984–1985 (Talence, 1984/1985)*, pages Exp. No. 21, 10. Univ. Bordeaux I, Talence, 1985.
- [1251] P. Moussa. Diophantine properties of Julia sets. In *Chaotic Dynamics and Fractals (Atlanta, Ga., 1985)*, volume 2 of *Notes Rep. Math. Sci. Engrg.*, pages 215–227. Academic Press, Orlando, FL, 1986.
- [1252] P. Moussa, J. S. Geronimo, and D. Bessis. Ensembles de Julia et propriétés de localisation des familles itérées d’entiers algébriques. *C. R. Acad. Sci. Paris Sér. I Math.*, 299(8):281–284, 1984.

- [1253] F. Mukhamedov. On the chaotic behavior of a cubic p -adic dynamical system. *Mat. Zametki*, 83(3):468–471, 2008.
- [1254] F. Mukhamedov and O. Khakimov. Chaotic behavior of the p -adic Potts–Bethe mapping, 2017. [arXiv:1701.00127](#).
- [1255] F. Mukhamedov and J. F. F. Mendes. On the chaotic behavior of a generalized logistic p -adic dynamical system. *J. Differential Equations*, 243(2):125–145, 2007.
- [1256] F. Mukhamedov and J. F. F. Mendes. On chaos of a cubic p -adic dynamical system. In *Differential equations, chaos and variational problems*, volume 75 of *Progr. Nonlinear Differential Equations Appl.*, pages 305–315. Birkhäuser, Basel, 2008.
- [1257] F. Mukhamedov and U. Rozikov. On rational p -adic dynamical systems. *Methods Funct. Anal. Topology*, 10(2):21–31, 2004.
- [1258] F. Mukhamedov and U. Rozikov. On one polynomial p -adic dynamical system, 2007. [arXiv:0712.4049](#).
- [1259] C. Mullen. The critical orbit structure of quadratic polynomials in \mathbb{Z}_p , 2016. [arXiv:1603.03991](#).
- [1260] J. S. Müller and M. Stoll. Canonical heights on genus-2 Jacobians. *Algebra Number Theory*, 10(10):2153–2234, 2016.
- [1261] J. S. Müller and C. Stumpe. Archimedean local height differences on elliptic curves. *Acta Arith.*, 190(3):293–303, 2019.
- [1262] D. Mumford. On the equations defining abelian varieties. I. *Invent. Math.*, 1:287–354, 1966.
- [1263] D. Mumford. On the equations defining abelian varieties. II. *Invent. Math.*, 3:75–135, 1967.
- [1264] D. Mumford. On the equations defining abelian varieties. III. *Invent. Math.*, 3:215–244, 1967.
- [1265] D. Mumford. *Abelian Varieties*. Tata Institute of Fundamental Research Studies in Mathematics, No. 5. Published for the Tata Institute of Fundamental Research, Bombay, 1970.
- [1266] D. Mumford, J. Fogarty, and F. Kirwan. *Geometric Invariant Theory*, volume 34 of *Ergebnisse der Mathematik und ihrer Grenzgebiete (2) [Results in Mathematics and Related Areas (2)]*. Springer-Verlag, Berlin, third edition, 1994.
- [1267] D. Mumford and K. Suominen. Introduction to the theory of moduli. In *Algebraic Geometry, Oslo 1970 (Proc. Fifth Nordic Summer-School in Math.)*, pages 171–222. Wolters-Noordhoff, Groningen, 1972.
- [1268] M. R. Murty. *Problems in Analytic Number Theory*, volume 206 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 2001.
- [1269] M. R. Murty and N. Prabhu. The error term in the Sato–Tate theorem of Birch, 2019. [arXiv:1906.03534](#).
- [1270] M. R. Murty, M. Rosen, and J. H. Silverman. Variations on a theme of Romanoff. *Internat. J. Math.*, 7(3):373–391, 1996.
- [1271] N. Nakayama. *Zariski-decomposition and abundance*, volume 14 of *MSJ Memoirs*. Mathematical Society of Japan, Tokyo, 2004.
- [1272] W. Narkiewicz. Polynomial cycles in algebraic number fields. *Colloq. Math.*, 58(1):151–155, 1989.
- [1273] W. Narkiewicz. *Polynomial Mappings*, volume 1600 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, 1995.
- [1274] W. Narkiewicz. Arithmetics of dynamical systems: a survey. *Tatra Mt. Math. Publ.*, 11:69–75, 1997. Number theory (Liptovský Ján, 1995).
- [1275] W. Narkiewicz. Finite polynomial orbits. A survey. In *Algebraic Number Theory and Diophantine Analysis (Graz, 1998)*, pages 331–338. de Gruyter, Berlin, 2000.

- [1276] W. Narkiewicz. Polynomial cycles in certain rings of rationals. *J. Théor. Nombres Bordeaux*, 14(2):529–552, 2002.
- [1277] W. Narkiewicz. Polynomial cycles in cubic fields of negative discriminant. *Funct. Approx. Comment. Math.*, 35:261–270, 2006.
- [1278] W. Narkiewicz. On a class of monic binomials. *Proc. Steklov Inst. Math.*, 280(suppl. 2):S65–S70, 2013.
- [1279] W. Narkiewicz and R. Marszalek. Finite polynomial orbits in quadratic rings. *J. Ramanujan Math. Soc.*, 12(1):91–130, 2006.
- [1280] W. Narkiewicz and T. Pezda. Finite polynomial orbits in finitely generated domains. *Monatsh. Math.*, 124(4):309–316, 1997.
- [1281] B. Naskrecki and M. Streng. Primitive divisors of elliptic divisibility sequences over function fields with constant j -invariant, 2019. [arXiv:1904.12393](https://arxiv.org/abs/1904.12393).
- [1282] B. Nasserden. Effective eigendivisors and the Kawaguchi–Silverman conjecture, 2020. [arXiv:2011.08788](https://arxiv.org/abs/2011.08788).
- [1283] V. Nekrashevych. Combinatorial models of expanding dynamical systems. *Ergodic Theory Dynam. Systems*, 34(3):938–985, 2014.
- [1284] A. Néron. Quasi-fonctions et hauteurs sur les variétés abéliennes. *Ann. of Math. (2)*, 82:249–331, 1965.
- [1285] J. Neukirch. *Algebraic number theory*, volume 322 of *Grundlehren der Mathematischen Wissenschaften [Fundamental Principles of Mathematical Sciences]*. Springer-Verlag, Berlin, 1999. Translated from the 1992 German original and with a note by Norbert Schappacher, With a foreword by G. Harder.
- [1286] M. Nevins and T. Rogers. Quadratic maps as dynamical systems on the p -adic numbers. unpublished, www.maths.ex.ac.uk/~mwatkins/zeta/nevins.pdf, March 2000.
- [1287] P. E. Newstead. *Introduction to Moduli Problems and Orbit Spaces*, volume 51 of *Tata Institute of Fundamental Research Lectures on Mathematics and Physics*. Tata Institute of Fundamental Research, Bombay, 1978.
- [1288] K. Nguyen. Hasse principle and Bombieri–Masser–Zannier height bound for the dynamics of diagonally split polynomial maps, 2013. [arXiv:1304.3052](https://arxiv.org/abs/1304.3052).
- [1289] K. Nguyen. Transcendence of polynomial canonical heights, 2022. [arXiv:2112.14937](https://arxiv.org/abs/2112.14937).
- [1290] K. D. Nguyen. Algebraic independence of local conjugacies and related questions in polynomial dynamics. *Proc. Amer. Math. Soc.*, 143(4):1491–1499, 2015.
- [1291] K. D. Nguyen. On certain Diophantine equations and the dynamical Mordell–Lang problem. *CMS Notes*, 50(2):14–15, 2018.
- [1292] V.-A. Nguyen. Algebraic degrees for iterates of meromorphic self-maps of \mathbb{P}^k . *Publ. Mat.*, 50(2):457–473, 2006.
- [1293] H. Nie. Rescaling limits in non-Archimedean dynamics. *Acta Arith.*, 185(4):315–331, 2018.
- [1294] H. Nie and Y. Okuyama. Crucial curvatures and minimal resultant loci for non-archimedean polynomials, 2020. [arXiv:2005.05804](https://arxiv.org/abs/2005.05804).
- [1295] H. Niederreiter and I. E. Shparlinski. Dynamical systems generated by rational functions. In *Applied Algebra, Algebraic Algorithms and Error-Correcting Codes (Toulouse, 2003)*, volume 2643 of *Lecture Notes in Comput. Sci.*, pages 6–17. Springer, Berlin, 2003.
- [1296] M. Nilsson. Cycles of monomial and perturbed monomial p -adic dynamical systems. *Ann. Math. Blaise Pascal*, 7(1):37–63, 2000.
- [1297] M. Nilsson. Distribution of cycles of monomial p -adic dynamical systems. In *p -adic Functional Analysis (Ioannina, 2000)*, volume 222 of *Lecture Notes in Pure and Appl. Math.*, pages 233–242. Dekker, New York, 2001.

- [1298] M. Nilsson. Fuzzy cycles of p -adic monomial dynamical systems. *Far East J. Dyn. Syst.*, 5(2):149–173, 2003.
- [1299] M. Nilsson. Towards a bifurcation theory for perturbed monomial dynamical systems modulo a prime, 2013. [arXiv:1304.4491](https://arxiv.org/abs/1304.4491).
- [1300] M. Nilsson and R. Nyqvist. The asymptotic number of periodic points of discrete p -adic dynamical systems. *Tr. Mat. Inst. Steklova*, 245(Izbr. Vopr. p -adich. Mat. Fiz. i Anal.):210–217, 2004.
- [1301] K. Nishizawa, K. Sekiguchi, and K. Yoshino. Location of algebraic integers and related topics. In *Dynamical Systems and Related Topics (Nagoya, 1990)*, volume 9 of *Adv. Ser. Dyn. Syst.*, pages 422–450. World Sci. Publishing, 1991.
- [1302] I. Niven. The iteration of certain arithmetic functions. *Canadian J. Math.*, 2:406–408, 1950.
- [1303] D. G. Northcott. Periodic points on an algebraic variety. *Ann. of Math. (2)*, 51:167–177, 1950.
- [1304] R. Nyqvist. Some dynamical systems in finite field extensions of the p -adic numbers. In *p -adic functional analysis (Ioannina, 2000)*, volume 222 of *Lecture Notes in Pure and Appl. Math.*, pages 243–253. Dekker, New York, 2001.
- [1305] P. J. Oberly. An inner product on adelic measures: With applications to the Arakelov–Zhang pairing, 2022. [arXiv:2207.10822](https://arxiv.org/abs/2207.10822).
- [1306] R. W. K. Odoni. The Galois theory of iterates and composites of polynomials. *Proc. London Math. Soc. (3)*, 51(3):385–414, 1985.
- [1307] R. W. K. Odoni. On the prime divisors of the sequence $w_{n+1} = 1 + w_1 \cdots w_n$. *J. London Math. Soc. (2)*, 32(1):1–11, 1985.
- [1308] R. W. K. Odoni. Realising wreath products of cyclic groups as Galois groups. *Mathematika*, 35(1):101–113, 1988.
- [1309] R. W. K. Odoni. On the Galois groups of iterated generic additive polynomials. *Math. Proc. Cambridge Philos. Soc.*, 121(1):1–6, 1997.
- [1310] E. O’Dorney. Large orbits on Markoff-type K3 surfaces over finite fields, 2022. [arXiv:2209.10436](https://arxiv.org/abs/2209.10436).
- [1311] J. Oesterlé. Nouvelles approches du “théorème” de Fermat. *Astérisque*, (161-162):Exp. No. 694, 4, 165–186 (1989), 1988. Séminaire Bourbaki, Vol. 1987/88.
- [1312] K. Oguiso. A remark on dynamical degrees of automorphisms of hyperkähler manifolds. *Manuscripta Math.*, 130(1):101–111, 2009.
- [1313] K. Oguiso. Automorphism groups of Calabi-Yau manifolds of Picard number 2. *J. Algebraic Geom.*, 23(4):775–795, 2014.
- [1314] K. Oguiso. Some aspects of explicit birational geometry inspired by complex dynamics. In *Proceedings of the International Congress of Mathematicians—Seoul 2014. Vol. II*, pages 695–721. Kyung Moon Sa, Seoul, 2014.
- [1315] K. Oguiso. Pisot units, Salem numbers, and higher dimensional projective manifolds with primitive automorphisms of positive entropy. *Int. Math. Res. Not. IMRN*, (5):1373–1400, 2019.
- [1316] K. Oguiso and T. T. Truong. Explicit examples of rational and Calabi-Yau threefolds with primitive automorphisms of positive entropy. *J. Math. Sci. Univ. Tokyo*, 22(1):361–385, 2015.
- [1317] Y. Okuyama. Nonlinearity of morphisms in non-Archimedean and complex dynamics. *Michigan Math. J.*, 59(3):505–515, 2010.
- [1318] Y. Okuyama. Repelling periodic points and logarithmic equidistribution in non-archimedean dynamics. *Acta Arith.*, 152(3):267–277, 2012.
- [1319] Y. Okuyama. Adelic equidistribution, characterization of equidistribution, and a general equidistribution theorem in non-archimedean dynamics, 2013. [arXiv:1302.4303](https://arxiv.org/abs/1302.4303).

- [1320] Y. Okuyama. Algebraic divisors on the projective line having small diagonals and small heights, 2013. [arXiv:1307.0887](#).
- [1321] Y. Okuyama. Approximation of Lyapunov exponents in non-Archimedean and complex dynamics. In *Topics in finite or infinite dimensional complex analysis*, pages 217–222. Tohoku University Press, Sendai, 2013.
- [1322] Y. Okuyama. Fekete configuration, quantitative equidistribution and wandering critical orbits in non-archimedean dynamics. *Math. Z.*, 273(3-4):811–837, 2013.
- [1323] Y. Okuyama. Quantitative approximations of the Lyapunov exponent of a rational function over valued fields, 2013. [arXiv:1309.2479](#).
- [1324] Y. Okuyama. A Mahler-type estimate of weighted Fekete sums on the Berkovich projective line. *Acta Arith.*, 178(3):257–272, 2017.
- [1325] Y. Okuyama. An a priori bound of rational functions on the Berkovich projective line and its complex counterpart on $\mathbb{C}P^k$, 2018. [arXiv:1805.07668](#).
- [1326] Y. Okuyama. Geometric formulas on Rumely’s weight function and crucial measure in non-archimedean dynamics. *Math. Ann.*, 376(3-4):913–956, 2020.
- [1327] Y. Okuyama and M. Stawiska. A characterization of polynomials among rational functions in non-archimedean and complex dynamics, 2015. [arXiv:1508.01589](#).
- [1328] M. Olechnowicz. Dynamically improper hypersurfaces for endomorphisms of projective space, 2022. [arXiv:2206.10679](#).
- [1329] J. A. Oliveira, D. Oliveira, and L. Reis. On iterations of rational functions over perfect fields, 2020. [arXiv:2008.02619](#).
- [1330] F. Oort. Canonical liftings and dense sets of CM-points. In *Arithmetic geometry (Cortona, 1994)*, Sympos. Math., XXXVII, pages 228–234. Cambridge Univ. Press, Cambridge, 1997.
- [1331] R. Oselies and H. Zieschang. Ergodische Eigenschaften der Automorphismen p -adischer Zahlen. *Arch. Math. (Basel)*, 26:144–153, 1975.
- [1332] A. Ostafe. Multivariate permutation polynomial systems and nonlinear pseudorandom number generators. *Finite Fields Appl.*, 16(3):144–154, 2010.
- [1333] A. Ostafe. On some extensions of the Ailon–Rudnick theorem, 2015. [arXiv:1505.03957](#).
- [1334] A. Ostafe and M. Sha. On the quantitative dynamical Mordell–Lang conjecture. *J. Number Theory*, 156:161–182, 2015.
- [1335] A. Ostafe and M. Sha. Counting dynamical systems over finite fields. In *Dynamics and numbers*, volume 669 of *Contemp. Math.*, pages 187–203. Amer. Math. Soc., Providence, RI, 2016.
- [1336] A. Ostafe, M. Sha, I. Shparlinski, and U. Zannier. On multiplicative dependence of values of rational functions, 2017. [arXiv:1706.05874](#).
- [1337] A. Ostafe and I. Shparlinski. On the degree growth in some polynomial dynamical systems and nonlinear pseudorandom number generators, 2009. [arXiv:0902.3884](#).
- [1338] A. Ostafe and I. Shparlinski. Degree growth, linear independence and periods of a class of rational dynamical systems, 2011. [arXiv:1109.0575](#).
- [1339] A. Ostafe and I. E. Shparlinski. On the length of critical orbits of stable quadratic polynomials. *Proc. Amer. Math. Soc.*, 138(8):2653–2656, 2010.
- [1340] A. Ostafe and I. E. Shparlinski. Pseudorandomness and dynamics of Fermat quotients. *SIAM J. Discrete Math.*, 25(1):50–71, 2011.
- [1341] A. Ostafe and I. E. Shparlinski. Orbits of algebraic dynamical systems in subgroups and subfields. In *Number theory—Diophantine problems, uniform distribution and applications*, pages 347–368. Springer, Cham, 2017.
- [1342] A. Ostafe and M. Young. On algebraic integers of bounded house and preperiodicity in polynomial semigroup dynamics. *Trans. Amer. Math. Soc.*, 373(3):2191–2206, 2020.

- [1343] G. Ouchi. Automorphisms of positive entropy on some hyperKähler manifolds via derived automorphisms of K3 surfaces. *Adv. Math.*, 335:1–26, 2018.
- [1344] C. Pagano. The size of arboreal images, I: exponential lower bounds for PCF and unicritical polynomials, 2021. [arXiv:2104.11175](#).
- [1345] A. Pakongpun. Orbit Dirichlet series for power of maps. *Int. J. Pure Appl. Math.*, 71(1):99–104, 2011.
- [1346] A. Pakongpun and T. Ward. Functorial orbit counting. *J. Integer Seq.*, 12(2):Article 09.2.4, 20, 2009.
- [1347] A. Pakongpun and T. Ward. Orbits for products of maps, 2010. [arXiv:1001.0314](#).
- [1348] F. Pakovich. Conservative polynomials and yet another action of $\text{Gal}(\overline{\mathbb{Q}}/\mathbb{Q})$ on plane trees. *J. Théor. Nombres Bordeaux*, 20(1):205–218, 2008.
- [1349] F. Pakovich. On semiconjugate rational functions, 2011. [arXiv:1108.1900](#).
- [1350] F. Pakovich. Polynomial semiconjugacies, decompositions of iterations, and invariant curves, 2015. [arXiv:1505.06351](#).
- [1351] F. Pakovich. Algebraic curves $a \circ l(x) - u(y) = 0$ and arithmetic of orbits of rational functions, 2017. [arXiv:1801.01985](#).
- [1352] A. Pál. On the torsion of the Mordell-Weil group of the Jacobian of Drinfeld modular curves. *Doc. Math.*, 10:131–198 (electronic), 2005.
- [1353] S. Palimar. Prime specialization and iterates of composition of polynomials, 2021. [arXiv:2111.12930](#).
- [1354] I. Pan and A. Rittatore. Some remarks about the Zariski topology of the Cremona group, 2012. [arXiv:1212.5698](#).
- [1355] C. Panraksa. Rational periodic points of $x^d + c$ and *abc* conjecture, 2021. [arXiv:2105.03715](#).
- [1356] C. Panraksa and L. Washington. Arithmetic dynamics and dynamical units. *East-West J. Math.*, 14(2):201–207, 2012.
- [1357] G. Panti. Denominator-preserving maps. *Aequationes Math.*, 84(1-2):13–25, 2012.
- [1358] G. Pareschi. n -torsion points on theta divisors and semihomogeneous vector bundles, 2020. [arXiv:2007.12252](#).
- [1359] F. Pazuki. Zhang’s conjecture and squares of abelian surfaces. *C. R. Math. Acad. Sci. Paris*, 348(9-10):483–486, 2010.
- [1360] F. Pazuki. Minoration de la hauteur de Néron-Tate sur les surfaces abéliennes. *Manuscripta Math.*, 142(1-2):61–99, 2013.
- [1361] F. Pazuki. Polarized morphisms between abelian varieties. *Int. J. Number Theory*, 9(2):405–411, 2013.
- [1362] F. Pazuki and M. Widmer. Bertini and Northcott, 2020. [arXiv:2006.13604](#).
- [1363] A. Peinado, F. Montoya, J. Muñoz, and A. J. Yuste. Maximal periods of $x^2 + c$ in \mathbb{F}_q . In *Applied Algebra, Algebraic Algorithms and Error-Correcting Codes (Melbourne, 2001)*, volume 2227 of *Lecture Notes in Comput. Sci.*, pages 219–228. Springer, Berlin, 2001.
- [1364] I. Percival and F. Vivaldi. Arithmetical properties of strongly chaotic motions. *Phys. D*, 25(1-3):105–130, 1987.
- [1365] F. Perroni and D.-Q. Zhang. Pseudo-automorphisms of positive entropy on the blowups of products of projective spaces. *Math. Ann.*, 359(1-2):189–209, 2014.
- [1366] J. Peters. Entropy on discrete abelian groups. *Adv. in Math.*, 33(1):1–13, 1979.
- [1367] J. Peters. Entropy of automorphisms on L.C.A. groups. *Pacific J. Math.*, 96(2):475–488, 1981.
- [1368] K. Petersen and A. Varchenko. The Euler adic dynamical system and path counts in the Euler graph. *Tokyo J. Math.*, 33(2):327–340, 2010.

- [1369] C. Petsche. S -integral preperiodic points by dynamical systems over number fields. *Bull. Lond. Math. Soc.*, 40(5):749–758, 2008.
- [1370] C. Petsche. A criterion for weak convergence on Berkovich projective space. *Math. Ann.*, 348(2):449–465, 2010.
- [1371] C. Petsche. Critically separable rational maps in families. *Compos. Math.*, 148(6):1880–1896, 2012.
- [1372] C. Petsche. On the distribution of orbits in affine varieties. *Ergodic Theory Dynam. Systems*, 35(7):2231–2241, 2015.
- [1373] C. Petsche. Attractors associated to a family of hyperbolic p -adic plane automorphisms, 2018. [arXiv:1810.06708](#).
- [1374] C. Petsche and E. Stacy. A dynamical construction of small totally p -adic algebraic numbers. *J. Number Theory*, 202:27–36, 2019.
- [1375] C. Petsche and B. Stout. Global minimal models for endomorphisms of projective space, 2013. [arXiv:1303.5783](#).
- [1376] C. Petsche and B. Stout. On quadratic rational maps with prescribed good reduction. *Proc. Amer. Math. Soc.*, 143(3):1145–1158, 2015.
- [1377] C. Petsche, L. Szpiro, and M. Tepper. Isotriviality is equivalent to potential good reduction for endomorphisms of \mathbb{P}^N over function fields. *J. Algebra*, 322(9):3345–3365, 2009.
- [1378] C. Petsche, L. Szpiro, and T. J. Tucker. A dynamical pairing between two rational maps. *Trans. Amer. Math. Soc.*, 364(4):1687–1710, 2012.
- [1379] J. Pettigrew, J. A. G. Roberts, and F. Vivaldi. Complexity of regular invertible p -adic motions. *Chaos*, 11(4):849–857, 2001.
- [1380] E. Peyre. Beyond heights: slopes and distribution of rational points, 2018. [arXiv:1806.11437](#).
- [1381] T. Pezda. Cycles of polynomial mappings in several variables. *Manuscripta Math.*, 83(3-4):279–289, 1994.
- [1382] T. Pezda. Cycles of polynomials in algebraically closed fields of positive characteristic. *Colloq. Math.*, 67(2):187–195, 1994.
- [1383] T. Pezda. Polynomial cycles in certain local domains. *Acta Arith.*, 66(1):11–22, 1994.
- [1384] T. Pezda. Cycles of polynomials in algebraically closed fields of positive characteristic. II. *Colloq. Math.*, 71(1):23–30, 1996.
- [1385] T. Pezda. Cycles of rational mappings in algebraically closed fields of positive characteristics. *Ann. Math. Sil.*, 12:15–21, 1998. Number theory (Cieszyn, 1998).
- [1386] T. Pezda. On cycles and orbits of polynomial mappings $\mathbb{Z}^2 \mapsto \mathbb{Z}^2$. *Acta Math. Inform. Univ. Ostraviensis*, 10(1):95–102, 2002.
- [1387] T. Pezda. Cycles of polynomial mappings in several variables over rings of integers in finite extensions of the rationals. *Acta Arith.*, 108(2):127–146, 2003.
- [1388] N. Pflueger. Special divisors on marked chains of cycles. *J. Combin. Theory Ser. A*, 150:182–207, 2017.
- [1389] J. Pila. o -minimality and the André–Oort conjecture for \mathbb{C}^n . *Ann. of Math. (2)*, 173:1779–1840, 2011.
- [1390] J. Pila, A. Shankar, J. Tsimerman, H. Esnault, and M. Groechenig. Canonical heights on Shimura varieties and the André–Oort conjecture, 2021. [arXiv:2109.08788](#).
- [1391] J. Pila and J. Tsimerman. Ax–Lindemann for \mathcal{A}_g . *Ann. of Math. (2)*, 179(2):659–681, 2014.
- [1392] J. Pila and U. Zannier. Rational points in periodic analytic sets and the Manin–Mumford conjecture. *Atti Accad. Naz. Lincei Cl. Sci. Fis. Mat. Natur. Rend. Lincei (9) Mat. Appl.*, 19(2):149–162, 2008.

- [1393] J. Pineiro. Mahler formula on the projective n -space, 2006. [ArXiv:math.NT/0610737](#).
- [1394] J. Pineiro. Canonical metrics of commuting maps. *Int. J. Mod. Math.*, 4(1):1–12, 2009.
- [1395] J. Pineiro. Geometry of four-folds with three non-commuting involutions, 2013. [arXiv:1303.4940](#).
- [1396] J. Pineiro. A note on the projection of the diagonal subvariety, 2013. [arXiv:1303.4938](#).
- [1397] J. Pineiro. Hyperbolic polarized dynamics, pairs of inverse maps and the Dirichlet property, 2019. [arXiv:1909.03507](#).
- [1398] J. Pineiro, L. Szpiro, and T. J. Tucker. Mahler measure for dynamical systems on \mathbb{P}^1 and intersection theory on a singular arithmetic surface. In *Geometric Methods In Algebra and Number Theory*, volume 235 of *Progr. Math.*, pages 219–250. Birkhäuser Boston, Boston, MA, 2005.
- [1399] J. A. Pineiro. *Mahler formula for morphisms on the n -dimensional projective space*. ProQuest LLC, Ann Arbor, MI, 2005. Thesis (Ph.D.)—City University of New York.
- [1400] R. Pink. A common generalization of the conjectures of André–Oort, Manin–Mumford, and Mordell–Lang. unpublished manuscript dated 17th April 2005.
- [1401] D. Piontkovski. Algebras of linear growth and the dynamical Mordell–Lang conjecture. *Adv. Math.*, 343:141–156, 2019.
- [1402] J. Poineau. Dynamique analytique sur F . I: Mesures d’équilibre sur une droite projective relative, 2022. [arXiv:2201.08480](#).
- [1403] J. Poineau. Dynamique analytique sur F . II: Écart uniforme entre lattès et conjecture de bogomolov—fu—tschinkel, 2022. [arXiv:2207.01574](#).
- [1404] A. Poirier. Critical portraits for postcritically finite polynomials. *Fund. Math.*, 203(2):107–163, 2009.
- [1405] C. Pomerance. On primitive divisors of Mersenne numbers. *Acta Arith.*, 46(4):355–367, 1986.
- [1406] C. Pomerance and I. E. Shparlinski. Connected components of the graph generated by power maps in prime finite fields. *Integers*, 18A:Paper No. A16, 8, 2018.
- [1407] B. Poonen. The classification of rational preperiodic points of quadratic polynomials over \mathbb{Q} : a refined conjecture. *Math. Z.*, 228(1):11–29, 1998.
- [1408] B. Poonen. Using elliptic curves of rank one towards the undecidability of Hilbert’s tenth problem over rings of algebraic integers. In *Algorithmic number theory (Sydney, 2002)*, volume 2369 of *Lecture Notes in Comput. Sci.*, pages 33–42. Springer, Berlin, 2002.
- [1409] B. Poonen. Bertini theorems over finite fields. *Ann. of Math. (2)*, 160(3):1099–1127, 2004.
- [1410] B. Poonen. Uniform boundedness of rational points and preperiodic points, 2012. [arXiv:1206.7104](#).
- [1411] B. Poonen. Extending self-maps to projective space over finite fields. *Doc. Math.*, 18:1039–1044, 2013.
- [1412] B. Poonen. p -adic interpolation of iterates. *Bull. Lond. Math. Soc.*, 46(3):525–527, 2014.
- [1413] B. Poonen. *Rational points on varieties*, volume 186 of *Graduate Studies in Mathematics*. American Mathematical Society, Providence, RI, 2017.
- [1414] B. Poonen, D. Testa, and R. van Luijk. Computing Néron–Severi groups and cycle class groups, 2012. [arXiv:1210.3720](#).
- [1415] L. Pottmeyer. A dynamical Bogomolov property, 2011. [arXiv:1103.1294](#).
- [1416] L. Pottmeyer. An effective dynamical Bogomolov property, 2011. [arXiv:1201.3327](#).

- [1417] L. Pottmeyer. Heights and totally real numbers, 2012. [arXiv:1206.2456](#).
- [1418] L. Pottmeyer. Heights and totally p -adic numbers. *Acta Arith.*, 171(3):277–291, 2015.
- [1419] A. Pulita and J. Poineau. Finiteness of the convergence Newton polygon of an ultrametric linear differential equation over the Berkovich affine line, 2012. [arXiv:1208.5850](#).
- [1420] Y. Puri and T. Ward. Arithmetic and growth of periodic orbits. *J. Integer Seq.*, 4(2):Article 01.2.1, 18 pp. (electronic), 2001.
- [1421] Y. Puri and T. Ward. A dynamical property unique to the Lucas sequence. *Fibonacci Quart.*, 39(5):398–402, 2001.
- [1422] G. R. W. Quispel, J. A. G. Roberts, and C. J. Thompson. Integrable mappings and soliton equations. *Phys. Lett. A*, 126(7):419–421, 1988.
- [1423] G. R. W. Quispel, J. A. G. Roberts, and C. J. Thompson. Integrable mappings and soliton equations. II. *Phys. D*, 34(1-2):183–192, 1989.
- [1424] C. Qureshi and L. Reis. Dynamics of the a -map over residually finite Dedekind domains and applications. *J. Number Theory*, 204:134–154, 2019.
- [1425] R. Ramadas. Moduli spaces of quadratic maps: arithmetic and geometry, 2022. [arXiv:2205.07349](#).
- [1426] R. Ramadas and R. Silversmith. Quadratic rational maps with a five-periodic critical point, 2020. [arXiv:2008.10095](#).
- [1427] N. Ratazzi. Intersection de courbes et de sous-groupes et problèmes de minoration de hauteur dans les variétés abéliennes C.M. *Ann. Inst. Fourier (Grenoble)*, 58(5):1575–1633, 2008.
- [1428] U. Rausch. On a theorem of Dobrowolski about the product of conjugate numbers. *Colloq. Math.*, 50(1):137–142, 1985.
- [1429] M. Raynaud. Spécialisation du foncteur de Picard. *Inst. Hautes Études Sci. Publ. Math.*, (38):27–76, 1970.
- [1430] M. Raynaud. Courbes sur une variété abélienne et points de torsion. *Invent. Math.*, 71(1):207–233, 1983.
- [1431] M. Raynaud. Sous-variétés d’une variété abélienne et points de torsion. In *Arithmetic and Geometry, Vol. I*, volume 35 of *Progr. Math.*, pages 327–352. Birkhäuser Boston, Boston, MA, 1983.
- [1432] M. Rees. A partial description of parameter space of rational maps of degree two. I. *Acta Math.*, 168(1-2):11–87, 1992.
- [1433] M. Rees. A partial description of the parameter space of rational maps of degree two. II. *Proc. London Math. Soc. (3)*, 70(3):644–690, 1995.
- [1434] H. Reeve-Black and F. Vivaldi. Asymptotics in a family of linked strip maps. *Phys. D*, 290:57–71, 2015.
- [1435] Z. Reichstein, D. Rogalski, and J. J. Zhang. Projectively simple rings. *Adv. Math.*, 203(2):365–407, 2006.
- [1436] L. Reis. Nilpotent linearized polynomials over finite fields and applications, 2016. [arXiv:1609.09379](#).
- [1437] L. Reis. On the factorization of iterated polynomials, 2018. [arXiv:1810.07715](#).
- [1438] L. Reis. Counting distinct functional graphs from linear finite dynamical systems, 2021. [arXiv:2105.09814](#).
- [1439] L. Reis and Q. Wang. The dynamics of permutations on irreducible polynomials. *Finite Fields Appl.*, 64:101664, 2020.
- [1440] Q. Ren, J. Richter-Gebert, and B. Sturmfels. Cayley-Bacharach formulas. *Amer. Math. Monthly*, 122(9):845–854, 2015.
- [1441] R. Ren. Iteration of polynomials $AX^d + C$ over finite fields, 2018. [arXiv:1807.05495](#).

- [1442] N. Ressayre. Reading “the space of rational maps on \mathbb{P}^1 ” by j.h. silverman, an introduction to geometric invariant theory, 2008. Cours de 9h donné aux Ultrametric Dynamical Days du 14 janvier au 1 Février 2008 a Santiago du Chili, <http://www.math.univ-montp2.fr/~ressayre/chili.pdf>.
- [1443] B. Rice. Primitive prime divisors in polynomial arithmetic dynamics. *Integers*, 7:A26, 16 pp. (electronic), 2007.
- [1444] H. Richter. The generalized Hénon maps: Examples for higher-dimensional chaos. *I. J. Bifurcation and Chaos*, 12:1371–1384, 06 2002.
- [1445] J. F. Ritt. Periodic functions with a multiplication theorem. *Trans. Amer. Math. Soc.*, 23(1):16–25, 1922.
- [1446] J. F. Ritt. Permutable rational functions. *Trans. Amer. Math. Soc.*, 25(3):399–448, 1923.
- [1447] J. Rivera-Letelier. *Dynamique des fonctions rationnelles sur des corps locaux*. PhD thesis, Université de Paris XI, 2000.
- [1448] J. Rivera-Letelier. Sur la structure des ensembles de Fatou p -adiques, 2002. ArXiv:math.DS/0412180.
- [1449] J. Rivera-Letelier. Une caractérisation des fonctions holomorphes injectives en analyse ultramétrique. *C. R. Math. Acad. Sci. Paris*, 335(5):441–446, 2002.
- [1450] J. Rivera-Letelier. Dynamique des fonctions rationnelles sur des corps locaux. *Astérisque*, (287):xv, 147–230, 2003. Geometric methods in dynamics. II.
- [1451] J. Rivera-Letelier. Espace hyperbolique p -adique et dynamique des fonctions rationnelles. *Compositio Math.*, 138(2):199–231, 2003.
- [1452] J. Rivera-Letelier. Points périodiques des fonctions rationnelles dans l’espace hyperbolique p -adique. *Comment. Math. Helv.*, 80(3):593–629, 2005.
- [1453] J. Rivera-Letelier. Wild recurrent critical points. *J. London Math. Soc. (2)*, 72(2):305–326, 2005.
- [1454] J. Rivera-Letelier. Notes sur la droite projective de Berkovich, 2006. ArXiv:math.MG/0605676.
- [1455] J. Rivera-Letelier. Polynomials over \mathbb{C}_p with wandering domains, after R. Benedetto, 2006. Preprint, www.math.sunysb.edu/~rivera/mypapers/wand.ps.
- [1456] J. Rivera-Letelier. Théorie de Fatou et Julia dans la droite projective de Berkovich, 2007. In preparation.
- [1457] H. Robbins. A remark on Stirling’s formula. *Amer. Math. Monthly*, 62:26–29, 1955.
- [1458] A. Robert. *Elliptic curves*. Springer-Verlag, Berlin, 1973.
- [1459] J. A. G. Roberts and F. Vivaldi. Arithmetical method to detect integrability in maps. *Phys. Rev. Lett.*, 90(3):034102, 4, 2003.
- [1460] J. A. G. Roberts and F. Vivaldi. Signature of time-reversal symmetry in polynomial automorphisms over finite fields. *Nonlinearity*, 18(5):2171–2192, 2005.
- [1461] J. A. G. Roberts and F. Vivaldi. A combinatorial model for reversible rational maps over finite fields. *Nonlinearity*, 22(8):1965–1982, 2009.
- [1462] S. Robins. A friendly invitation to Fourier analysis on polytopes, 2021. arXiv:2104.06407.
- [1463] R. K. W. Roeder. The action on cohomology by compositions of rational maps. *Math. Res. Lett.*, 22(2):605–632, 2015.
- [1464] T. D. Rogers. The graph of the square mapping on the prime fields. *Discrete Math.*, 148(1-3):317–324, 1996.
- [1465] S. Rohde. Compositions of random rational functions. *Complex Variables Theory Appl.*, 29(1):1–7, 1996.
- [1466] N. P. Romanoff. Über einige Sätze der additiven Zahlentheorie. *Math. Ann.*, 109(1):668–678, 1934.

- [1467] F. Rong. The Fatou set for critically finite maps. *Proc. Amer. Math. Soc.*, 136(10):3621–3625, 2008.
- [1468] J. Rosen, Z. Scherr, B. Weiss, and M. E. Zieve. Chebyshev mappings of finite fields. *Amer. Math. Monthly*, 119(2):151–155, 2012.
- [1469] S. S. Rout. The dynamical Mordell-Lang problem for intersection of two orbits. *J. Number Theory*, 207:122–137, 2020.
- [1470] S. S. Rout. The orbit intersection problem in positive characteristic, 2021. [arXiv:2102.04073](#).
- [1471] S. S. Rout. Reduction of polynomial dynamical systems modulo primes, 2021. [arXiv:2102.04077](#).
- [1472] U. A. Rozikov, I. A. Sattarov, and S. Yam. p -adic dynamical systems of the function $\frac{ax}{x^2+a}$. *p-Adic Numbers Ultrametric Anal. Appl.*, 11(1):77–87, 2019.
- [1473] M. Ru and E. Yi. Nevanlinna theory and iteration of rational maps. *Math. Z.*, 249(1):125–138, 2005.
- [1474] W. Rudin. *Real and Complex Analysis*. McGraw-Hill Book Co., New York, third edition, 1987.
- [1475] M. Ruggiero. Contracting rigid germs in higher dimensions. *Ann. Inst. Fourier (Grenoble)*, 63(5):1913–1950, 2013.
- [1476] M. Ruggiero. Classification of one-dimensional superattracting germs in positive characteristic. *Ergodic Theory Dynam. Systems*, 35(7):2242–2268, 2015.
- [1477] R. Rumely. The geometry of the minimal resultant locus, 2014. [arXiv:1402.6017](#).
- [1478] R. Rumely. The minimal resultant locus. *Acta Arith.*, 169(3):251–290, 2015.
- [1479] R. Rumely. A new equivariant in nonarchimedean dynamics. *Algebra Number Theory*, 11(4):841–884, 2017.
- [1480] A. Russakovskii and B. Shiffman. Value distribution for sequences of rational mappings and complex dynamics. *Indiana Univ. Math. J.*, 46(3):897–932, 1997.
- [1481] M. Sadek. On rational periodic points of $x^d + c$, 2018. [arXiv:1804.09839](#).
- [1482] M. Sadek. Families of polynomials of every degree with no rational preperiodic points, 2020. [arXiv:2010.09910](#).
- [1483] M. Sadek and M. Wafik. Construction of polynomials with prescribed divisibility conditions on the critical orbit, 2022. [arXiv:2209.07624](#).
- [1484] A. Salerno and J. H. Silverman. Integrality properties of Böttcher coordinates for one-dimensional superattracting germs. *Ergodic Theory Dynam. Systems*, 40(1):248–271, 2020.
- [1485] K. Sano. The canonical heights for Jordan blocks of small eigenvalues, preperiodic points, and the arithmetic degrees, 2017. [arXiv:1712.07533](#).
- [1486] K. Sano. Growth rate of ample heights and the dynamical Mordell-Lang conjecture. *Int. J. Number Theory*, 14(10):2673–2685, 2018.
- [1487] K. Sano. Dynamical degree and arithmetic degree of endomorphisms on product varieties. *Tohoku Math. J. (2)*, 72(1):1–13, 2020.
- [1488] K. Sano and T. Shibata. Zariski density of points with maximal arithmetic degree, 2020. [arXiv:2007.15180](#).
- [1489] G. Sarkis. *Formal Groups and p-adic Dynamical Systems*. PhD thesis, Brown University, 2001.
- [1490] G. Sarkis. On lifting commutative dynamical systems. *J. Algebra*, 293(1):130–154, 2005.
- [1491] G. Sarkis. Height-one commuting power series over \mathbb{Z}_p . *Bull. Lond. Math. Soc.*, 42(3):381–387, 2010.
- [1492] G. Sarkis and J. Specter. Galois extensions of height-one commuting dynamical systems. *J. Théor. Nombres Bordeaux*, 25(1):163–178, 2013.

- [1493] I. A. Sattarov. p -adic $(3, 2)$ -rational dynamical systems. *p-Adic Numbers Ultrametric Anal. Appl.*, 7(1):39–55, 2015.
- [1494] T. Scanlon. Analytic relations on a dynamical orbit, 2008. [arXiv:0807.4162](#).
- [1495] T. Scanlon and Y. Yasufuku. Exponential-polynomial equations and dynamical return sets. *Int. Math. Res. Not. IMRN*, (16):4357–4367, 2014.
- [1496] S. Schanuel. Heights in number fields. *Bull. Soc. Math. France*, 107:443–449, 1979.
- [1497] V. Scharaschkin. *Local-global problems and the Brauer-Manin obstruction*. ProQuest LLC, Ann Arbor, MI, 1999. Thesis (Ph.D.)—University of Michigan.
- [1498] D. Schleicher. *Internal addresses in the Mandelbrot set and irreducibility of polynomials*. PhD thesis, Cornell University, Ithaca NY, 1994.
- [1499] D. Schleicher. Internal addresses of the Mandelbrot set and Galois groups of polynomials. *Arnold Math. J.*, 3(1):1–35, 2017. rewritten and updated version of Stony Brook IMS 1994/19.
- [1500] H. Schmidt. Polynomial dynamics and local analysis, 2020. [arXiv:2009.07609](#).
- [1501] K. Schmidt. *Dynamical Systems of Algebraic Origin*, volume 128 of *Progress in Mathematics*. Birkhäuser Verlag, Basel, 1995.
- [1502] W. Schmidt. *Diophantine Approximation*, volume 785 of *Lecture Notes in Mathematics*. Springer, Berlin, 1980.
- [1503] W. Schmidt and N. Steinmetz. The polynomials associated with a Julia set. *Bull. London Math. Soc.*, 27(3):239–241, 1995.
- [1504] J. Schmitt. A compactification of the moduli space of self-maps of $\mathbb{C}P^1$ via stable maps. *Conform. Geom. Dyn.*, 21:273–318, 2017.
- [1505] C.-P. Schnorr and M. Euchner. Lattice basis reduction: improved practical algorithms and solving subset sum problems. In *Fundamentals of computation theory (Gosen, 1991)*, volume 529 of *Lecture Notes in Comput. Sci.*, pages 68–85. Springer, Berlin, 1991.
- [1506] C.-P. Schnorr and M. Euchner. Lattice basis reduction: improved practical algorithms and solving subset sum problems. *Math. Programming*, 66(2, Ser. A):181–199, 1994.
- [1507] M. Schütt. Dynamics on supersingular K3 surfaces, 2015. [arXiv:1502.06923](#).
- [1508] M. Schütt and T. Shioda. Elliptic surfaces. In *Algebraic geometry in East Asia—Seoul 2008*, volume 60 of *Adv. Stud. Pure Math.*, pages 51–160. Math. Soc. Japan, Tokyo, 2010.
- [1509] A. Schweizer. On periodic points under the iteration of additive polynomials. *Manuscripta Math.*, 113(1):25–34, 2004.
- [1510] J.-P. Serre. *Algèbre locale. Multiplicités*, volume 11 of *Cours au Collège de France, 1957–1958, rédigé par Pierre Gabriel. Seconde édition, 1965. Lecture Notes in Mathematics*. Springer-Verlag, Berlin-New York, 1965.
- [1511] J.-P. Serre. Propriétés galoisiennes des points d’ordre fini des courbes elliptiques. *Invent. Math.*, 15(4):259–331, 1972.
- [1512] J.-P. Serre. *Linear representations of finite groups*. Springer-Verlag, New York-Heidelberg, 1977. Translated from the second French edition by Leonard L. Scott, Graduate Texts in Mathematics, Vol. 42.
- [1513] J.-P. Serre. *Local Fields*, volume 67 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 1979. Translated from the French by Marvin Jay Greenberg.
- [1514] J.-P. Serre. *Lectures on the Mordell-Weil Theorem*. Aspects of Mathematics. Friedr. Vieweg & Sohn, Braunschweig, third edition, 1997. Translated from the French and edited by Martin Brown from notes by Michel Waldschmidt, with a foreword by Brown and Serre.
- [1515] J.-P. Serre. *Abelian l -adic representations and elliptic curves*, volume 7 of *Research Notes in Mathematics*. A K Peters Ltd., Wellesley, MA, 1998. With the collaboration of Willem Kuyk and John Labute, Revised reprint of the 1968 original.

- [1516] J.-P. Serre and J. Tate. Good reduction of abelian varieties. *Ann. of Math. (2)*, 88:492–517, 1968.
- [1517] M. Sha. On the cycle structure of repeated exponentiation modulo a prime power. *Fibonacci Quart.*, 49(4):340–347, 2011.
- [1518] M. Sha and S. Hu. Monomial dynamical systems of dimension one over finite fields. *Acta Arith.*, 148(4):309–331, 2011.
- [1519] A. A. Shaikh and M. A. Sarkar. Rigidity and unlikely intersections for stable p -adic dynamical systems, 2021. [arXiv:2106.07745](https://arxiv.org/abs/2106.07745).
- [1520] E. d. Shalit. Criteria for periodicity and an application to elliptic functions, 2020. [arXiv:2001.11726](https://arxiv.org/abs/2001.11726).
- [1521] B. R. Shankar and S. Palimar. Hensel’s lemma, backward dynamics and p -adic approximations, 2013. [arXiv:1302.2324](https://arxiv.org/abs/1302.2324).
- [1522] X. Shao. Polynomial values modulo primes on average and sharpness of the larger sieve. *Algebra Number Theory*, 9(10):2325–2346, 2015.
- [1523] T. Shibata. Ample canonical heights for endomorphisms on projective varieties, 2017. [arXiv:1710.05278](https://arxiv.org/abs/1710.05278).
- [1524] G. Shimura. On the field of definition for a field of automorphic functions. I, II, III. *Ann. of Math. (2)*, 80, 81, 83:160–189, 124–165, 377–385, 1964, 1965, 1966.
- [1525] G. Shimura. *Introduction to the Arithmetic Theory of Automorphic Functions*, volume 11 of *Publications of the Mathematical Society of Japan*. Princeton University Press, Princeton, NJ, 1994. Reprint of the 1971 original, Kanô Memorial Lectures, 1.
- [1526] G. Shimura and Y. Taniyama. *Complex multiplication of abelian varieties and its applications to number theory*, volume 6 of *Publications of the Mathematical Society of Japan*. The Mathematical Society of Japan, Tokyo, 1961.
- [1527] M. Shishikura. On the quasiconformal surgery of rational functions. *Ann. Sci. École Norm. Sup. (4)*, 20(1):1–29, 1987.
- [1528] I. Shparlinski. On some dynamical systems in finite fields and residue rings. *Discrete Contin. Dyn. Syst.*, 17:901–917, 2007.
- [1529] I. E. Shparlinski. Multiplicative orders in orbits of polynomials over finite fields. *Glasg. Math. J.*, 60(2):487–493, 2018.
- [1530] I. E. Shparlinski. Orders of points in families of elliptic curves. *Proc. Amer. Math. Soc.*, 148(6):2371–2377, 2020.
- [1531] I. E. Shparlinskiĭ. The number of different prime divisors of recurrent sequences. *Mat. Zametki*, 42(4):494–507, 622, 1987.
- [1532] N. Sibony. Dynamique des applications rationnelles de \mathbb{P}^k . In *Dynamique et géométrie complexes (Lyon, 1997)*, volume 8 of *Panor. Synthèses*, pages ix–x, xi–xii, 97–185. Soc. Math. France, Paris, 1999.
- [1533] N. Sidorov. Arithmetic dynamics. In *Topics in Dynamics and Ergodic Theory*, volume 310 of *London Math. Soc. Lecture Note Ser.*, pages 145–189. Cambridge Univ. Press, Cambridge, 2003.
- [1534] C. Siegel. The integer solutions of the equation $y^2 = ax^n + bx^{n-1} + \dots + k$. *J. London Math. Soc.*, 1:66–68, 1926.
- [1535] C. Siegel. Über einige Anwendungen diophantischer Approximationen. In *Collected Works*, pages 209–266. Springer, Berlin, 1966.
- [1536] C. L. Siegel. *Lectures on the geometry of numbers*. Springer-Verlag, Berlin, 1989. Notes by B. Friedman, Rewritten by Komaravolu Chandrasekharan with the assistance of Rudolf Suter, With a preface by Chandrasekharan.
- [1537] J. Sijtsling and J. Voight. On explicit descent of marked curves and maps. *Res. Number Theory*, 2:Art. 27, 35, 2016.

- [1538] J. Silverman. Good reduction and Shafarevich-type theorems for dynamical systems with portrait level structures. *Pacific J. Math.*, 295(1):145–190, 2018.
- [1539] J. H. Silverman. *The Néron–Tate height on elliptic curves*. ProQuest LLC, Ann Arbor, MI, 1982. Thesis (Ph.D.)—Harvard University.
- [1540] J. H. Silverman. Heights and the specialization map for families of abelian varieties. *J. Reine Angew. Math.*, 342:197–211, 1983.
- [1541] J. H. Silverman. Integer points on curves of genus 1. *J. London Math. Soc. (2)*, 28(1):1–7, 1983.
- [1542] J. H. Silverman. Lower bounds for height functions. *Duke Math. J.*, 51(2):395–403, 1984.
- [1543] J. H. Silverman. *The Arithmetic of Elliptic Curves*, volume 106 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 1986.
- [1544] J. H. Silverman. Arithmetic distance functions and height functions in Diophantine geometry. *Math. Ann.*, 279(2):193–216, 1987.
- [1545] J. H. Silverman. A quantitative version of Siegel’s theorem: integral points on elliptic curves and Catalan curves. *J. Reine Angew. Math.*, 378:60–100, 1987.
- [1546] J. H. Silverman. Computing heights on elliptic curves. *Math. Comp.*, 51(183):339–358, 1988.
- [1547] J. H. Silverman. Wieferich’s criterion and the *abc*-conjecture. *J. Number Theory*, 30(2):226–237, 1988.
- [1548] J. H. Silverman. The difference between the Weil height and the canonical height on elliptic curves. *Math. Comp.*, 55(192):723–743, 1990.
- [1549] J. H. Silverman. Rational points on K3 surfaces: a new canonical height. *Invent. Math.*, 105(2):347–373, 1991.
- [1550] J. H. Silverman. *The Arithmetic of Elliptic Curves*, volume 106 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 1992. Corrected reprint of the 1986 original.
- [1551] J. H. Silverman. Integer points, Diophantine approximation, and iteration of rational maps. *Duke Math. J.*, 71(3):793–829, 1993.
- [1552] J. H. Silverman. *Advanced Topics in the Arithmetic of Elliptic Curves*, volume 151 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 1994.
- [1553] J. H. Silverman. Geometric and arithmetic properties of the Hénon map. *Math. Z.*, 215(2):237–250, 1994.
- [1554] J. H. Silverman. The field of definition for dynamical systems on \mathbb{P}^1 . *Compositio Math.*, 98(3):269–304, 1995.
- [1555] J. H. Silverman. Rational functions with a polynomial iterate. *J. Algebra*, 180(1):102–110, 1996.
- [1556] J. H. Silverman. Computing canonical heights with little (or no) factorization. *Math. Comp.*, 66(218):787–805, 1997.
- [1557] J. H. Silverman. The space of rational maps on \mathbb{P}^1 . *Duke Math. J.*, 94(1):41–77, 1998.
- [1558] J. H. Silverman. A zeta function over a recurrent sequence. *Amer. Math. Monthly*, 106(7):686–688, 1999. Problem 10486 with solutions.
- [1559] J. H. Silverman. A lower bound for the canonical height on elliptic curves over abelian extensions. *J. Number Theory*, 104(2):353–372, 2004.
- [1560] J. H. Silverman. Generalized greatest common divisors, divisibility sequences, and Vojta’s conjecture for blowups. *Monatsh. Math.*, 145(4):333–350, 2005.
- [1561] J. H. Silverman. Height bounds and preperiodic points for families of jointly regular affine maps. *Quart. J. Pure Appl. Math.*, 2:135–145, 2006.
- [1562] J. H. Silverman. *The Arithmetic of Dynamical Systems*, volume 241 of *Graduate Texts in Mathematics*. Springer, New York, 2007.

- [1563] J. H. Silverman. Variation of periods modulo p in arithmetic dynamics. *New York J. Math.*, 14:601–616, 2008.
- [1564] J. H. Silverman. *The Arithmetic of Elliptic Curves*, volume 106 of *Graduate Texts in Mathematics*. Springer, Dordrecht, second edition, 2009.
- [1565] J. H. Silverman. Height estimates for equidimensional dominant rational maps. *J. Ramanujan Math. Soc.*, 26(2):145–163, 2011.
- [1566] J. H. Silverman. An algebraic approach to certain cases of Thurston rigidity. *Proc. Amer. Math. Soc.*, 140(10):3421–3434, 2012.
- [1567] J. H. Silverman. *Moduli Spaces and Arithmetic Dynamics*, volume 30 of *CRM Monograph Series*. American Mathematical Society, Providence, RI, 2012.
- [1568] J. H. Silverman. Primitive divisors, dynamical Zsigmondy sets, and Vojta’s conjecture. *J. Number Theory*, 133(9):2948–2963, 2013.
- [1569] J. H. Silverman. What is... the p -adic Mandelbrot set? *Notices Amer. Math. Soc.*, 60(8):1048–1050, 2013.
- [1570] J. H. Silverman. Dynamical degree, arithmetic entropy, and canonical heights for dominant rational self-maps of projective space. *Ergodic Theory Dynam. Systems*, 34(2):647–678, 2014.
- [1571] J. H. Silverman. Arithmetic and dynamical degrees on abelian varieties. *J. Théor. Nombres Bordeaux*, 29(1):151–167, 2017.
- [1572] J. H. Silverman. Divisor divisibility sequences on tori. *Acta Arith.*, 177(4):315–345, 2017.
- [1573] J. H. Silverman and G. S. Call. Degeneration of dynamical degrees in families of maps. *Acta Arith.*, 184(2):101–116, 2018.
- [1574] J. H. Silverman and N. Stephens. The sign of an elliptic divisibility sequence. *J. Ramanujan Math. Soc.*, 21(1):1–17, 2006.
- [1575] J. H. Silverman and J. Tate. *Rational Points on Elliptic Curves*. Undergraduate Texts in Mathematics. Springer-Verlag, New York, 1992.
- [1576] J. H. Silverman and J. T. Tate. *Rational Points on Elliptic Curves*. Undergraduate Texts in Mathematics. Springer, Cham, second edition, 2015.
- [1577] J. H. Silverman and B. Viray. On a uniform bound for the number of exceptional linear subvarieties in the dynamical Mordell-Lang conjecture. *Math. Res. Lett.*, 20(3):547–566, 2013.
- [1578] J. H. Silverman and J. F. Voloch. A local-global criterion for dynamics on \mathbb{P}^1 . *Acta Arith.*, 137(3):285–294, 2009.
- [1579] T. Silverman. A non-archimedean λ -lemma, 2017. [arXiv:1712.01372](https://arxiv.org/abs/1712.01372).
- [1580] M. A. Sing-Sweeney. A dynamical analogue of Sen’s theorem, 2021. [arXiv:2102.09684](https://arxiv.org/abs/2102.09684).
- [1581] M. A. Sing-Sweeney. A dynamical analogue of the criterion of Néron–Ogg–Shafarevich, 2022. [arXiv:2208.00359](https://arxiv.org/abs/2208.00359).
- [1582] C. Smyth. The Mahler measure of algebraic numbers: a survey. In *Number theory and polynomials*, volume 352 of *London Math. Soc. Lecture Note Ser.*, pages 322–349. Cambridge Univ. Press, Cambridge, 2008.
- [1583] C. J. Smyth. On the product of the conjugates outside the unit circle of an algebraic integer. *Bull. London Math. Soc.*, 3:169–175, 1971.
- [1584] C. J. Smyth. On measures of polynomials in several variables. *Bull. Austral. Math. Soc.*, 23(1):49–63, 1981.
- [1585] V. A. Sookdeo. Integer points in backward orbits. *J. Number Theory*, 131(7):1229–1239, 2011.
- [1586] V. A. Sookdeo. Backward orbit conjecture for Lattès maps, 2014. [arXiv:1405.1952](https://arxiv.org/abs/1405.1952).

- [1587] V. A. Sookdeo. Backward orbit conjecture for the powering map over global fields, 2015. [arXiv:1508.06023](#).
- [1588] J. Specter. The crystalline period of a height one p -adic dynamical system over \mathbf{Z}_p , 2015. [arXiv:1501.04611](#).
- [1589] J. Specter. Polynomials with surjective arboreal Galois representations exist in every degree, 2018. [arXiv:1803.00434](#).
- [1590] M. P. Spencer. *Moduli Spaces of Power Series in Finite Characteristic*. PhD thesis, Brown University, 2011.
- [1591] D. Speyer. Rational maps with all critical points fixed, 2008. [mathoverflow.net/questions/981/](#).
- [1592] D. Speyer ([mathoverflow.net/users/297](#)). Rational maps with all critical points fixed. [MathOverflow](#). [mathoverflow.net/questions/4983](#).
- [1593] J. Sprott. High-dimensional dynamics in the delayed Hénon map. *Electronic Journal of Theoretical Physics*, 3(12):19–35, 2006.
- [1594] A. N. Starkov. *Dynamical systems on homogeneous spaces*, volume 190 of *Translations of Mathematical Monographs*. American Mathematical Society, Providence, RI, 2000. Translated from the 1999 Russian original by the author.
- [1595] J. Starr. The Kodaira dimension of spaces of rational curves on low degree hypersurfaces, 2003. [arxiv.org/abs/math/0305432](#).
- [1596] C. L. Stewart. The greatest prime factor of $a^n - b^n$. *Acta Arith.*, 26(4):427–433, 1974/75.
- [1597] C. L. Stewart. Algebraic integers whose conjugates lie near the unit circle. *Bull. Soc. Math. France*, 106(2):169–176, 1978.
- [1598] M. Stoll. Galois groups over \mathbb{Q} of some iterated polynomials. *Arch. Math. (Basel)*, 59(3):239–244, 1992.
- [1599] M. Stoll. Rational 6-cycles under iteration of quadratic polynomials. *LMS J. Comput. Math.*, 11:367–380, 2008.
- [1600] M. Stoll. An application of “Selmer group Chabauty” to arithmetic dynamics, 2019. [arXiv:1912.05893](#).
- [1601] B. Stout and A. Towsley. Endomorphisms of bounded height and resultant. *J. Number Theory*, 145:426–432, 2014.
- [1602] B. J. Stout. A dynamical Shafarevich theorem for twists of rational morphisms. *Acta Arith.*, 166(1):69–80, 2014.
- [1603] M. Streng. Divisibility sequences for elliptic curves with complex multiplication. *Algebra Number Theory*, 2(2):183–208, 2008.
- [1604] T. Sugiyama. The moduli space of polynomial maps and their fixed-point multipliers. *Adv. Math.*, 322:132–185, 2017.
- [1605] D. Sullivan. Quasiconformal homeomorphisms and dynamics. I. Solution of the Fatou-Julia problem on wandering domains. *Ann. of Math. (2)*, 122(3):401–418, 1985.
- [1606] F. Suzuki. Higher-dimensional Calabi-Yau varieties with dense sets of rational points, 2021. [arXiv:2102.12966](#).
- [1607] P.-A. Svensson. Perturbed dynamical systems in p -adic fields. *Tr. Mat. Inst. Steklova*, 245(Izbr. Vopr. p -adich. Mat. Fiz. i Anal.):264–272, 2004.
- [1608] A. Swaminathan. On arboreal Galois representations of rational functions, 2014. [arXiv:1407.7012](#).
- [1609] J. J. Sylvester. On a point in the theory of vulgar fractions. *Amer. J. Math.*, 3(4):332–335, 1880.
- [1610] L. Szpiro. Discriminant et conducteur des courbes elliptiques. *Astérisque*, (183):7–18, 1990. Séminaire sur les Pinceaux de Courbes Elliptiques (Paris, 1988).

- [1611] L. Szpiro, M. Tepper, and P. Williams. Resultant and conductor of geometrically semi-stable self maps of the projective line over a number field or function field. *Publ. Mat.*, 58(2):295–329, 2014.
- [1612] L. Szpiro, M. Tepper, and P. Williams. Semi-stable reduction implies minimality of the resultant. *J. Algebra*, 397:489–498, 2014.
- [1613] L. Szpiro, T. Tucker, and L. West. Proof of the Shafarevich conjecture for self-maps of \mathbb{P}^1 , February 13–17, 2017. Lecture at a Workshop on Heights and Applications to Unlikely Intersections, The Fields Institute, Toronto, www.fields.utoronto.ca/talks/Proof-Shafarevich-conjecture-self-maps-mathbbP1.
- [1614] L. Szpiro and T. J. Tucker. On half log discriminant. In *Diophantine geometry*, volume 4 of *CRM Series*, pages 323–334. Ed. Norm., Pisa, 2007.
- [1615] L. Szpiro and T. J. Tucker. A Shafarevich-Faltings theorem for rational functions. *Pure Appl. Math. Q.*, 4(3, part 2):715–728, 2008.
- [1616] L. Szpiro and T. J. Tucker. Equidistribution and generalized Mahler measures. In *Number theory, analysis and geometry*, pages 609–638. Springer, New York, 2012.
- [1617] L. Szpiro, E. Ullmo, and S. Zhang. Équirépartition des petits points. *Invent. Math.*, 127(2):337–347, 1997.
- [1618] L. Szpiro and L. West. A dynamical Shafarevich theorem for rational maps over number fields and function fields, 2017. [arXiv:1705.05489](https://arxiv.org/abs/1705.05489).
- [1619] Y.-S. Tai. On the Kodaira dimension of the moduli space of abelian varieties. *Invent. Math.*, 68(3):425–439, 1982.
- [1620] K. Takehira. Rationality of dynamical zeta functions and woods hole fixed point formula, 2021. [arXiv:2107.05358](https://arxiv.org/abs/2107.05358).
- [1621] T. Takenawa. Algebraic entropy and the space of initial values for discrete dynamical systems. *J. Phys. A*, 34(48):10533–10545, 2001. Symmetries and integrability of difference equations (Tokyo, 2000).
- [1622] T. Takenawa. A geometric approach to singularity confinement and algebraic entropy. *J. Phys. A*, 34(10):L95–L102, 2001.
- [1623] V. Talamini. Canonical bases of invariant polynomials for the irreducible reflection groups of types E_6 , E_7 , and E_8 . *J. Algebra*, 503:590–603, 2018.
- [1624] J. Tate. Algorithm for determining the type of a singular fiber in an elliptic pencil. pages 33–52. *Lecture Notes in Math.*, Vol. 476, 1975.
- [1625] J. Tate. Variation of the canonical height of a point depending on a parameter. *Amer. J. Math.*, 105(1):287–294, 1983.
- [1626] J. T. Tate. Rational points on cubic curves, 1961. Unpublished notes of lectures delivered at Haverford College.
- [1627] J. T. Tate. The arithmetic of elliptic curves. *Invent. Math.*, 23:179–206, 1974.
- [1628] The PARI Group, Univ. Bordeaux. *PARI/GP version 2.9.0*, 2016. available from <http://pari.math.u-bordeaux.fr/>.
- [1629] E. Thiran, D. Versteegen, and J. Weyers. p -adic dynamics. *J. Statist. Phys.*, 54(3-4):893–913, 1989.
- [1630] R. P. Thomas. Notes on GIT and symplectic reduction for bundles and varieties. In *Surveys in differential geometry. Vol. X*, volume 10 of *Surv. Differ. Geom.*, pages 221–273. Int. Press, Somerville, MA, 2006. [arXiv:math/0512411](https://arxiv.org/abs/math/0512411).
- [1631] A. Thuillier. *Théorie du potentiel sur les courbes en géométrie analytique non archimédienne. Applications à la théorie d’Arakelov*. PhD thesis, Université Rennes, 2005.
- [1632] D. Tischler. Critical points and values of complex polynomials. *J. Complexity*, 5(4):438–456, 1989.
- [1633] A. Towsley. A Hasse principle for periodic points, 2012. [arXiv:1209.2399](https://arxiv.org/abs/1209.2399).

- [1634] S. Troncoso. Bounds for preperiodic points for maps with good reduction. *J. Number Theory*, 181:51–72, 2017.
- [1635] E. Trucco. Wandering Fatou components and algebraic Julia sets. *Bull. Soc. Math. France*, 142(3):411–464, 2014.
- [1636] E. Trucco. On Fibonacci polynomials and wandering domains. *Bull. Lond. Math. Soc.*, 47(4):663–674, 2015.
- [1637] T. T. Truong. Degree complexity of a family of birational maps. II. Exceptional cases. *Math. Phys. Anal. Geom.*, 12(2):157–180, 2009.
- [1638] T. T. Truong. Degree complexity of birational maps related to matrix inversion: symmetric case. *Math. Z.*, 270(3–4):725–738, 2012.
- [1639] T. T. Truong. The simplicity of the first spectral radius of a meromorphic map. *Michigan Math. J.*, 63(3):623–633, 2014.
- [1640] T. T. Truong. Relative dynamical degrees of correspondences over a field of arbitrary characteristic. *J. Reine Angew. Math.*, 758:139–182, 2020.
- [1641] J. Tsimerman. The André-Oort conjecture for \mathcal{A}_g . *Ann. of Math. (2)*, 187(2):379–390, 2018.
- [1642] Y. Uchida. The difference between the ordinary height and the canonical height on elliptic curves. *J. Number Theory*, 128(2):263–279, 2008.
- [1643] T. Ueda. Critically finite holomorphic maps on projective spaces. Institut Mittag-Leffler, Report No. 38, 2007/2008, spring.
- [1644] T. Ueda. Complex dynamical systems on projective spaces. *Sūrikaiseikikenkyūsho Kōkyūroku*, (814):169–186, 1992. Topics around chaotic dynamical systems (Japanese) (Kyoto, 1992).
- [1645] T. Ueda. Complex dynamics on projective spaces—index formula for fixed points. In *Dynamical systems and chaos, Vol. 1 (Hachioji, 1994)*, pages 252–259. World Sci. Publ., River Edge, NJ, 1995.
- [1646] T. Ueda. Critically finite maps on projective spaces. Number 1087, pages 132–138. 1999. Research on complex dynamical systems: current state and prospects (Japanese) (Kyoto, 1998).
- [1647] K. Ueno. Böttcher coordinates at superattracting fixed points of holomorphic skew products. *Conform. Geom. Dyn.*, 20:43–57, 2016.
- [1648] S. Ugolini. Graphs associated with the map $x \mapsto x + x^{-1}$ in finite fields of characteristic two. In *Theory and applications of finite fields*, volume 579 of *Contemp. Math.*, pages 187–204. Amer. Math. Soc., Providence, RI, 2012.
- [1649] S. Ugolini. Iterations of the map $x \mapsto \frac{1}{2}(x + x^{-1})$ over finite fields of odd characteristic and sequences of irreducible polynomials, 2012. [arXiv:1207.6959](https://arxiv.org/abs/1207.6959).
- [1650] S. Ugolini. Graphs associated with the map $X \mapsto X + X^{-1}$ in finite fields of characteristic three and five. *J. Number Theory*, 133(4):1207–1228, 2013.
- [1651] S. Ugolini. Sequences of irreducible polynomials over odd prime fields via elliptic curve endomorphisms, 2013. [arXiv:1308.6723](https://arxiv.org/abs/1308.6723).
- [1652] S. Ugolini. On the iterations of certain maps $X \mapsto K \cdot (X + X^{-1})$ over finite fields of odd characteristic. *J. Number Theory*, 142:274–297, 2014.
- [1653] S. Ugolini. Functional graphs of rational maps induced by endomorphisms of ordinary elliptic curves over finite fields. *Period. Math. Hungar.*, 77(2):237–260, 2018.
- [1654] S. Ugolini. Some notes on the multiplicative order of $\alpha + \alpha^{-1}$ in finite fields of characteristic two. *Period. Math. Hungar.*, 80(1):81–94, 2020.
- [1655] E. Ullmo. Positivité et discrétion des points algébriques des courbes. *Ann. of Math. (2)*, 147(1):167–179, 1998.
- [1656] E. Ullmo and A. Yafaev. Galois orbits and equidistribution of special subvarieties: towards the André-Oort conjecture. *Ann. of Math. (2)*, 180(3):823–865, 2014.

- [1657] C. Urech. Remarks on the degree growth of birational transformations. *Math. Res. Lett.*, 25(1):291–308, 2018.
- [1658] S. Ushiki. Böttcher’s theorem and super-stable manifolds for multidimensional complex dynamical systems. In S. Ushiki, editor, *Proceedings of the RIMS Conference Structure and Bifurcations of Dynamical Systems, 18–21 February 1992, Kyoto, Japan*, volume 11, pages 168–184. World Scientific Publishing Co., 1992. Advanced Series in Dynamical Systems.
- [1659] I. Vainsencher. Complete collineations and blowing up determinantal ideals. *Math. Ann.*, 267(3):417–432, 1984.
- [1660] A. J. van der Poorten. Some problems of recurrent interest. In *Topics in classical number theory, Vol. I, II (Budapest, 1981)*, volume 34 of *Colloq. Math. Soc. János Bolyai*, pages 1265–1294. North-Holland, Amsterdam, 1984.
- [1661] A. J. van der Poorten and H. P. Schlickewei. Additive relations in fields. *J. Austral. Math. Soc. Ser. A*, 51(1):154–170, 1991.
- [1662] B. van der Waerden. *Algebra*. Frederick Ungar Publ. Co., New York, 7th edition, 1970.
- [1663] T. Vasiga and J. Shallit. On the iteration of certain quadratic maps over $\text{GF}(p)$. *Discrete Math.*, 277(1-3):219–240, 2004.
- [1664] J.-L. Verger-Gaugry. A survey on the conjecture of Lehmer and the conjecture of Schinzel–Zassenhaus, 2019. hal.archives-ouvertes.fr/hal-02315014.
- [1665] D. Versteegen. p -adic dynamical systems. In *Number Theory and Physics (Les Houches, 1989)*, volume 47 of *Springer Proc. Phys.*, pages 235–242. Springer, Berlin, 1990.
- [1666] A. P. Veselov. Integrable mappings and Lie algebras. *Dokl. Akad. Nauk SSSR*, 292(6):1289–1291, 1987. English translation: *Soviet Math. Dokl.* 35 (1987), no. 1, 211–213.
- [1667] A. P. Veselov. Integrable mappings. *Uspekhi Mat. Nauk*, 46(5(281)):3–45, 190, 1991. English translation: *Russian Math. Surveys* 46 (1991), no. 5, 1–51.
- [1668] A. P. Veselov. What is an integrable mapping? In *What is integrability?*, Springer Ser. Nonlinear Dynam., pages 251–272. Springer, Berlin, 1991.
- [1669] S. Virili. Entropy for endomorphisms of LCA groups. *Topology Appl.*, 159(9):2546–2556, 2012.
- [1670] S. Vishkautsan. Arithmetic dynamics on smooth cubic surfaces. *New York J. Math.*, 20:1–25, 2014.
- [1671] S. Vishkautsan. Residual periodicity on the Markoff surface. *Atti Accad. Naz. Lincei Rend. Lincei Mat. Appl.*, 27(1):25–35, 2016.
- [1672] S. Vishkautsan. Quadratic rational functions with a rational periodic critical point of period 3. *J. Théor. Nombres Bordeaux*, 31(1):49–79, 2019. With an appendix by Michael Stoll.
- [1673] F. Vivaldi. The arithmetic of chaos. In *Chaos, Noise and Fractals (Como, 1986)*, volume 3 of *Malvern Phys. Ser.*, pages 187–199. Hilger, Bristol, 1987.
- [1674] F. Vivaldi. Arithmetical theory of Anosov diffeomorphisms. *Proc. Roy. Soc. London Ser. A*, 413(1844):97–107, 1987.
- [1675] F. Vivaldi. Algebraic number theory and Hamiltonian chaos. In *Number Theory and Physics (Les Houches, 1989)*, volume 47 of *Springer Proc. Phys.*, pages 294–301. Springer, Berlin, 1990.
- [1676] F. Vivaldi. Dynamics over irreducible polynomials. *Nonlinearity*, 5(4):941–960, 1992.
- [1677] F. Vivaldi. Geometry of linear maps over finite fields. *Nonlinearity*, 5(1):133–147, 1992.
- [1678] C. Voisin. *Hodge theory and complex algebraic geometry. II*, volume 77 of *Cambridge Studies in Advanced Mathematics*. Cambridge University Press, Cambridge, 2003. Translated from the French by Leila Schneps.

- [1679] C. Voisin. Géométrie des espaces de modules de courbes et de surfaces $K3$ (d’après Gritsenko-Hulek-Sankaran, Farkas-Popa, Mukai, Verra, et al.). *Astérisque*, (317):Exp. No. 981, x, 467–490, 2008. Séminaire Bourbaki. Vol. 2006/2007.
- [1680] P. Vojta. *Diophantine approximations and value distribution theory*, volume 1239 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, 1987.
- [1681] P. Vojta. Siegel’s theorem in the compact case. *Ann. of Math. (2)*, 133(3):509–548, 1991.
- [1682] P. Vojta. Integral points on subvarieties of semiabelian varieties. I. *Invent. Math.*, 126(1):133–181, 1996.
- [1683] P. Vojta. Integral points on subvarieties of semiabelian varieties. II. *Amer. J. Math.*, 121(2):283–313, 1999.
- [1684] P. Vojta. Diophantine approximation and Nevanlinna theory. In *Arithmetic geometry*, volume 2009 of *Lecture Notes in Math.*, pages 111–224. Springer, Berlin, 2011.
- [1685] P. Vojta. Roth’s theorem for arithmetic function fields, 2018. [arXiv:1806.10737](https://arxiv.org/abs/1806.10737).
- [1686] P. Voutier. An effective lower bound for the height of algebraic numbers. *Acta Arith.*, 74(1):81–95, 1996.
- [1687] P. Voutier and M. Yabuta. Primitive divisors of certain elliptic divisibility sequences. *Acta Arith.*, 151(2):165–190, 2012.
- [1688] P. Voutier and M. Yabuta. Lang’s conjecture and sharp height estimates for the elliptic curves $y^2 = x^3 + ax$. *Int. J. Number Theory*, 9(5):1141–1170, 2013.
- [1689] P. Voutier and M. Yabuta. Lang’s conjecture and sharp height estimates for the elliptic curves $y^2 = x^3 + b$. *Acta Arith.*, 173(3):197–224, 2016.
- [1690] A. Wadsanthat and C. Panraksa. Distribution of cycle lengths of a quadratic map over finite fields of characteristic 2. *Fibonacci Quart.*, 57(1):35–44, 2019.
- [1691] A. Wadsanthat, C. Panraksa, and W. Kositwattanarek. Linear maps given by quadratic polynomials. *East-West J. Math.*, 21(1):70–84, 2019.
- [1692] R. Walde and P. Russo. Rational periodic points of the quadratic function $Q_c(x) = x^2 + c$. *Amer. Math. Monthly*, 101(4):318–331, 1994.
- [1693] M. Waldschmidt. Algebraic dynamics and transcendental numbers. In *Noise, oscillators and algebraic randomness (Chapelle des Bois, 1999)*, volume 550 of *Lecture Notes in Phys.*, pages 372–378. Springer, Berlin, 2000.
- [1694] L. Walton. Counting periodic points on quotient varieties over \mathbb{F}_q . *J. Number Theory*, 192:386–405, 2018.
- [1695] D. Wan and H. Yin. Algebraic degree periodicity in recurrence sequences, 2020. [arXiv:2009.14382](https://arxiv.org/abs/2009.14382).
- [1696] L. Wang. Rational points and canonical heights on $K3$ -surfaces in $\mathbb{P}^1 \times \mathbb{P}^1 \times \mathbb{P}^1$. In *Recent Developments in the Inverse Galois Problem (Seattle, WA, 1993)*, volume 186 of *Contemp. Math.*, pages 273–289. Amer. Math. Soc., Providence, RI, 1995.
- [1697] L. Wang. Periodic points and arithmetic degrees of certain birational self-maps, 2022. [arXiv:2201.12750](https://arxiv.org/abs/2201.12750).
- [1698] M.-X. Wang. A dynamical Mordell-Lang property on the disk. *Trans. Amer. Math. Soc.*, 369(3):2183–2204, 2017.
- [1699] Z. Wang and R. Zhang. On quadratic periodic points of quadratic polynomials, 2015. [arXiv:1504.00985](https://arxiv.org/abs/1504.00985).
- [1700] M. Ward. Memoir on elliptic divisibility sequences. *Amer. J. Math.*, 70:31–74, 1948.
- [1701] T. B. Ward. Almost all S -integer dynamical systems have many periodic points. *Ergodic Theory Dynam. Systems*, 18(2), 1998.
- [1702] L. C. Washington. *Introduction to cyclotomic fields*, volume 83 of *Graduate Texts in Mathematics*. Springer-Verlag, New York, 1997.
- [1703] J. Wehler. $K3$ -surfaces with Picard number 2. *Arch. Math. (Basel)*, 50(1):73–82, 1988.

- [1704] A. Weil. The field of definition of a variety. *Amer. J. Math.*, 78:509–524, 1956.
- [1705] M. Weinreich. The algebraic dynamics of the pentagram map, 2021. [arXiv:2104.06211](https://arxiv.org/abs/2104.06211).
- [1706] F. Weisz. Summability of multi-dimensional trigonometric Fourier series. *Surv. Approx. Theory*, 7:1–179, 2012. <https://arxiv.org/pdf/1206.1789.pdf>.
- [1707] E. Wells. Computing canonical heights on the projective line with no factorization. *Math. Comp.*, 86(308):3019–3029, 2017.
- [1708] A. Werner. Local heights on Mumford curves. *Math. Ann.*, 306(4):819–831, 1996.
- [1709] A. Werner. Local heights on abelian varieties with split multiplicative reduction. *Compositio Math.*, 107(3):289–317, 1997.
- [1710] A. Werner. Local heights on abelian varieties and rigid analytic uniformization. *Doc. Math.*, 3:301–319, 1998.
- [1711] L. West. The moduli space of cubic rational maps, 2014. [arXiv:1408.3247](https://arxiv.org/abs/1408.3247).
- [1712] L. W. West. *The Moduli Space of Rational Maps*. ProQuest LLC, Ann Arbor, MI, 2015. Thesis (Ph.D.)—City University of New York.
- [1713] M. Wibmer. Skolem-Mahler-Lech type theorems and Picard-Vessiot theory. *J. Eur. Math. Soc. (JEMS)*, 17(3):523–533, 2015.
- [1714] R. Wilms. An explicit and uniform Manin–Mumford-type result for function fields, 2021. [arXiv:2101.11593](https://arxiv.org/abs/2101.11593).
- [1715] G. J. Wirsching. *The dynamical system generated by the $3n + 1$ function*, volume 1681 of *Lecture Notes in Mathematics*. Springer-Verlag, Berlin, 1998.
- [1716] W. D. Withers. Folding polynomials and their dynamics. *Amer. Math. Monthly*, 95(5):399–413, 1988.
- [1717] C. F. Woodcock and N. P. Smart. p -adic chaos and random number generation. *Experiment. Math.*, 7(4):333–342, 1998.
- [1718] W. Worden. Iterations of quadratic polynomials over finite fields. *Involve*, 6(1):99–112, 2013.
- [1719] J. Xie. Dynamical Mordell-Lang conjecture for birational polynomial morphisms on \mathbb{A}^2 . *Math. Ann.*, 360(1-2):457–480, 2014.
- [1720] J. Xie. Periodic points of birational transformations on projective surfaces. *Duke Math. J.*, 164(5):903–932, 2015.
- [1721] J. Xie. The dynamical Mordell-Lang conjecture for polynomial endomorphisms of the affine plane. *Astérisque*, (394):vi+110, 2017.
- [1722] J. Xie. The existence of Zariski dense orbits for polynomial endomorphisms of the affine plane. *Compos. Math.*, 153(8):1658–1672, 2017.
- [1723] J. Xie. Algebraic dynamics of the lifts of Frobenius. *Algebra Number Theory*, 12(7):1715–1748, 2018.
- [1724] J. Xie. Algebraic actions of discrete groups. In *Proceedings of the Seventh International Congress of Chinese Mathematicians. Vol. II*, volume 44 of *Adv. Lect. Math. (ALM)*, pages 155–167. Int. Press, Somerville, MA, 2019.
- [1725] J. Xie. Algebraicity criteria, invariant subvarieties and transcendence problems from arithmetic dynamics, 2021. [arXiv:2202.09032](https://arxiv.org/abs/2202.09032).
- [1726] J. Xie. Remarks on algebraic dynamics in positive characteristic, 2021. [arXiv:2107.03559](https://arxiv.org/abs/2107.03559).
- [1727] B. Yang and X. Liao. Some characteristics of logistic map over the finite field. *Sci. China Inf. Sci.*, 62(3):039104, 3, 2019.
- [1728] Y. Yasufuku. Vojta’s conjecture and dynamics. In *Algebraic number theory and related topics 2009*, RIMS Kôkyûroku Bessatsu, B25, pages 75–86. Res. Inst. Math. Sci. (RIMS), Kyoto, 2011.

- [1729] Y. Yasufuku. Integral points and Vojta’s conjecture on rational surfaces. *Trans. Amer. Math. Soc.*, 364(2):767–784, 2012.
- [1730] Y. Yasufuku. Integral points and relative sizes of coordinates of orbits in \mathbb{P}^N . *Math. Z.*, 279(3-4):1121–1141, 2015.
- [1731] M. Young. On multiplicative independence of rational function iterates. *Monatsh. Math.*, 192(1):225–247, 2020.
- [1732] M. Young. Effective bounds on S -integral preperiodic points for polynomials, 2022. [arXiv:2206.14252](https://arxiv.org/abs/2206.14252).
- [1733] X. Yuan. Big line bundles over arithmetic varieties. *Invent. Math.*, 173(3):603–649, 2008.
- [1734] X. Yuan. Algebraic dynamics, canonical heights and Arakelov geometry. In *Fifth International Congress of Chinese Mathematicians. Part 1, 2*, volume 2 of *AMS/IP Stud. Adv. Math.*, 51, pt. 1, pages 893–929. Amer. Math. Soc., Providence, RI, 2012.
- [1735] X. Yuan. Arithmetic bigness and a uniform Bogomolov-type result, 2021. [arXiv:2108.05625](https://arxiv.org/abs/2108.05625).
- [1736] X. Yuan and S.-W. Zhang. Adelic line bundles over quasi-projective varieties, 2021. [arXiv:2105.13587](https://arxiv.org/abs/2105.13587).
- [1737] X. Yuan and S.-W. Zhang. Calabi theorem and algebraic dynamics, November 14, 2009. www.math.harvard.edu/~yxy/preprints/calabisemigroup.pdf.
- [1738] E. Yurova. On ergodicity of p -adic dynamical systems for arbitrary prime p . *p-Adic Numbers Ultrametric Anal. Appl.*, 5(3):239–241, 2013.
- [1739] Z. .
- [1740] D. Zagier. On the number of Markoff numbers below a given bound. *Math. Comp.*, 39(160):709–723, 1982.
- [1741] Y. G. Zarhin. Endomorphisms and torsion of abelian varieties. *Duke Math. J.*, 54(1):131–145, 1987.
- [1742] R. Zhang. Periodic points of quadratic polynomials in Galois extensions, 2016. [arXiv:1610.00807](https://arxiv.org/abs/1610.00807).
- [1743] R. Zhang. The $abcd$ conjecture, uniform boundedness, and dynamical systems, 2022. [arXiv:2206.09725](https://arxiv.org/abs/2206.09725).
- [1744] S. Zhang. Small points and adelic metrics. *J. Algebraic Geom.*, 4(2):281–300, 1995.
- [1745] S. Zhang. Lower bounds for heights on elliptic curves, June 1989. unpublished.
- [1746] S.-W. Zhang. Equidistribution of small points on abelian varieties. *Ann. of Math. (2)*, 147(1):159–165, 1998.
- [1747] S.-W. Zhang. Distributions in algebraic dynamics. In *Differential Geometry: A Tribute to Professor S.-S. Chern, Surv. Differ. Geom., Vol. X*, pages 381–430. Int. Press, Boston, MA, 2006.
- [1748] Z. Zhao and Q. Ji. Zsigmondy theorem for arithmetic dynamics induced by a Drinfeld module. *Int. J. Number Theory*, 15(6):1111–1125, 2019.
- [1749] M. Zieve. *Cycles of Polynomial Mappings*. PhD thesis, University of California at Berkeley, 1996. www.math.rutgers.edu/~zieve/papers/ucthesis.ps.
- [1750] M. Zieve. A class of permutation trinomials related to Redei functions, 2013. [arXiv:1310.0776](https://arxiv.org/abs/1310.0776).
- [1751] M. Zieve. Permutation polynomials induced from permutations of subfields, 2013. [arXiv:1312.1325](https://arxiv.org/abs/1312.1325).
- [1752] B. Zilber. Exponential sums equations and the Schanuel conjecture. *J. London Math. Soc. (2)*, 65(1):27–44, 2002.
- [1753] H. G. Zimmer. On the difference of the Weil height and the Néron-Tate height. *Math. Z.*, 147(1):35–51, 1976.

- [1754] K. Zimmerman. Commuting polynomials and self-similarity. *New York J. Math.*, 13:89–96 (electronic), 2007.
- [1755] K. Zsigmondy. Zur Theorie der Potenzreste. *Monatsh. Math. Phys.*, 3(1):265–284, 1892.
- [1756] Z. Zzzzzzz. Reference filler, 9999.