List of Publications

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1. Manfred Einsiedler, Elon Lindenstrauss, Philippe Michel, and Akshay Venkatesh, *Distribution of periodic torus orbits and Duke's theorem for cubic fields*, Ann. of Math. (2) **173** (2011), no. 2, 815–885.
2. Manfred Einsiedler, Lior Fishman, and Uri Shapira, *Diophantine approximations on fractals*, Geom. Funct. Anal. **21** (2011), no. 1, 14–35.
3. Manfred Einsiedler and Thomas Ward, *Ergodic theory with a view towards number theory*, Graduate Texts in Mathematics, vol. 259, Springer-Verlag London Ltd., London, 2011.
4. M. Einsiedler and E. Lindenstrauss, *Diagonal actions on locally homogeneous spaces*, Homogeneous flows, moduli spaces and arithmetic, Clay Math. Proc., vol. 10, Amer. Math. Soc., Providence, RI, 2010, pp. 155–241.
5. Manfred Einsiedler, *Effective equidistribution and spectral gap*, European Congress of Mathematics, Eur. Math. Soc., Zürich, 2010, pp. 31–51.
6. Manfred Einsiedler and Alexander Fish, *Rigidity of measures invariant under the action of a multiplicative semigroup of polynomial growth on* $\mathbb{T}$, Ergodic Theory Dynam. Systems **30** (2010), no. 1, 151–157.
7. Manfred Einsiedler and Anish Ghosh, *Rigidity of measures invariant under semisimple groups in positive characteristic*, Proc. Lond. Math. Soc. (3) **100** (2010), no. 1, 249–268.
8. M. Einsiedler, G. Margulis, and A. Venkatesh, *Effective equidistribution for closed orbits of semisimple groups on homogeneous spaces*, Invent. Math. **177** (2009), no. 1, 137–212.
9. Manfred Einsiedler, Elon Lindenstrauss, Philippe Michel, and Akshay Venkatesh, *Distribution of periodic torus orbits on homogeneous spaces*, Duke Math. J. **148** (2009), no. 1, 119–174.
10. Manfred Einsiedler, *What is ... measure rigidity?*, Notices Amer. Math. Soc. **56** (2009), no. 5, 600–601.
11. M. Einsiedler and E. Lindenstrauss, *On measures invariant under diagonalizable actions: the rank-one case and the general low-entropy method*, J. Mod. Dyn. **2** (2008), no. 1, 83–128.
12. M. Einsiedler and T. Fisher, *Differentiable rigidity for hyperbolic toral actions*, Israel J. Math. **157** (2007), 347–377.
13. M. Einsiedler and D. Kleinbock, *Measure Rigidity and p-adic Littlewood type problems*, Compositio Math. **143** (2007), 689-702.
14. M. Einsiedler and E. Lindenstrauss, *Joinings of higher-rank diagonalizable actions on locally homogeneous spaces*, Duke Math. J. **138** (2007), no. 2, 203–232.
15. M. Einsiedler and E. Lindenstrauss, *Diagonalizable flows on locally homogeneous spaces and number theory*, International Congress of Mathematicians. Vol. II, Eur. Math. Soc., Zürich, 2006, pp. 1731–1759.
16. M. Einsiedler, M. Kapranov, and D. Lind, *Non-Archimedean amoebas and tropical varieties*, J. Reine Angew. Math. **601** (2006), 139–157.
17. M. Einsiedler, *Ratner's theorem on* $\mathrm{SL}(2,\mathbb{R})$*-invariant measures*, Jahresber. Deutsch. Math.-Verein. **108** (2006), no. 3, 143–164.
18. M. Einsiedler, A. Katok, and E. Lindenstrauss, *Invariant measures and the set of exceptions to Littlewood's conjecture*, Ann. of Math. (2) **164** (2006), no. 2, 513–560.
19. M. Einsiedler and A. Katok, *Rigidity of measures—the high entropy case and non-commuting foliations*, Israel J. Math. **148** (2005), 169–238, Probability in mathematics.

20. M. Einsiedler and T. Ward, *Isomorphism rigidity in entropy rank two*, Israel J. Math. **147** (2005), 269–284.
21. M. Einsiedler and T. Ward, *Entropy geometry and disjointness for zero-dimensional algebraic actions*, J. Reine Angew. Math. **584** (2005), 195–214.
22. M. Einsiedler, *Isomorphism and measure rigidity for algebraic actions on zero-dimensional groups*, Monatsh. Math. **144** (2005), no. 1, 39–69.
23. M. Einsiedler, G. Everest, and T. Ward, *Periodic points for good reduction maps on curves*, Geom. Dedicata **106** (2004), 29–41.
24. M. Einsiedler, G. Everest, and T. Ward, *Morphic heights and periodic points*, Number theory (New York, 2003), Springer, New York, 2004, pp. 167–177.
25. M. Einsiedler, *Invariant subsets and invariant measures for irreducible actions on zero-dimensional groups*, Bull. London Math. Soc. **36** (2004), no. 3, 321–331.
26. M. Einsiedler and D. Lind, *Algebraic $\mathbb{Z}^d$-actions of entropy rank one*, Trans. Amer. Math. Soc. **356** (2004), no. 5, 1799–1831 (electronic).
27. M. Einsiedler and E. Lindenstrauss, *Rigidity properties of $\mathbb{Z}^d$-actions on tori and solenoids*, Electron. Res. Announc. Amer. Math. Soc. **9** (2003), 99–110.
28. M. Einsiedler, R. Mouat, and S. Tuncel, *When does a submodule of $(\mathbb{R}[x_1, \dots, x_k])^n$ contain a positive element?*, Monatsh. Math. **140** (2003), no. 4, 267–283.
29. M. Einsiedler and A. Katok, *Invariant measures on G/Γ for split simple Lie-groups G*, Comm. Pure Appl. Math. **56** (2003), no. 8, 1184–1221.
30. M. Einsiedler and T. Ward, *Asymptotic geometry of non-mixing sequences*, Ergodic Theory Dynam. Systems **23** (2003), no. 1, 75–85.
31. M. Einsiedler and K. Schmidt, *Irreducibility, homoclinic points and adjoint actions of algebraic $\mathbb{Z}^d$-actions of rank one*, Dynamics and randomness (Santiago, 2000), Nonlinear Phenom. Complex Systems, vol. 7, Kluwer Acad. Publ., Dordrecht, 2002, pp. 95–124.
32. M. Einsiedler and K. Schmidt, *The adjoint action of an expansive algebraic $\mathbb{Z}^d$-action*, Monatsh. Math. **135** (2002), no. 3, 203–220.
33. M. Einsiedler, G. Everest, and T. Ward, *Entropy and the canonical height*, J. Number Theory **91** (2001), no. 2, 256–273.
34. M. Einsiedler, D. Lind, R. Miles, and T. Ward, *Expansive subdynamics for algebraic $\mathbb{Z}^d$-actions*, Ergodic Theory Dynam. Systems **21** (2001), no. 6, 1695–1729.
35. M. Einsiedler and S. Tuncel, *When does a polynomial ideal contain a positive polynomial?*, J. Pure Appl. Algebra **164** (2001), no. 1-2, 149–152, Effective methods in algebraic geometry (Bath, 2000).
36. M. Einsiedler and H. Rindler, *Algebraic actions of the discrete Heisenberg group and other non-abelian groups*, Aequationes Math. **62** (2001), no. 1-2, 117–135.
37. M. Einsiedler, *Fundamental cocycles of tiling spaces*, Ergodic Theory Dynam. Systems **21** (2001), no. 3, 777–800.
38. M. Einsiedler, G. Everest, and T. Ward, *Primes in elliptic divisibility sequences*, LMS J. Comput. Math. **4** (2001), 1–13 (electronic).
39. M. Einsiedler, G. Everest, and T. Ward, *Primes in sequences associated to polynomials (after Lehmer)*, LMS J. Comput. Math. **3** (2000), 125–139 (electronic).
40. M. Einsiedler and T. Ward, *Fitting ideals for finitely presented algebraic dynamical systems*, Aequationes Math. **60** (2000), no. 1-2, 57–71.
41. M. Einsiedler, *A generalisation of Mahler measure and its application in algebraic dynamical systems*, Acta Arith. **88** (1999), no. 1, 15–29.
42. M. Einsiedler and K. Schmidt, *Markov partitions and homoclinic points of algebraic $\mathbb{Z}^d$-actions*, Tr. Mat. Inst. Steklova **216** (1997), no. Din. Sist. i Smezhnye Vopr., 265–284.