

List of Publications

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1. Manfred Einsiedler and Tom Ward, *Diophantine problems and homogeneous dynamics*, Dynamics and analytic number theory, London Math. Soc. Lecture Note Ser., vol. 437, Cambridge Univ. Press, Cambridge, 2016, pp. 258–288.
2. Menny Aka, Manfred Einsiedler, and Uri Shapira, *Integer points on spheres and their orthogonal lattices*, Invent. Math. **206** (2016), no. 2, 379–396.
3. Manfred Einsiedler and Shahar Mozes, *Divisibility properties of higher rank lattices*, Transform. Groups **21** (2016), no. 4, 1039–1062.
4. Manfred Einsiedler, Anish Ghosh, and Beverly Lytle, *Badly approximable vectors, C^1 curves and number fields*, Ergodic Theory Dynam. Systems **36** (2016), no. 6, 1851–1864.
5. Menny Aka and Manfred Einsiedler, *Duke’s theorem for subcollections*, Ergodic Theory Dynam. Systems **36** (2016), no. 2, 335–342.
6. Manfred Einsiedler, Shahar Mozes, Nimish Shah, and Uri Shapira, *Equidistribution of primitive rational points on expanding horospheres*, Compos. Math. **152** (2016), no. 4, 667–692.
7. Menny Aka, Manfred Einsiedler, and Uri Shapira, *Integer points on spheres and their orthogonal grids*, J. Lond. Math. Soc. (2) **93** (2016), no. 1, 143–158.
8. Manfred Einsiedler and Thomas Ward, *Homogeneous dynamics: a study guide*, Introduction to modern mathematics, Adv. Lect. Math. (ALM), vol. 33, Int. Press, Somerville, MA, 2015, pp. 171–201.
9. Manfred Einsiedler, Shirali Kadyrov, and Anke Pohl, *Escape of mass and entropy for diagonal flows in real rank one situations*, Israel J. Math. **210** (2015), no. 1, 245–295.
10. Vitaly Bergelson, Manfred Einsiedler, and Jimmy Tseng, *Simultaneous dense and nondense orbits for commuting maps*, Israel J. Math. **210** (2015), no. 1, 23–45.
11. Dmitry Badziahin, Yann Bugeaud, Manfred Einsiedler, and Dmitry Kleinbock, *On the complexity of a putative counterexample to the p -adic Littlewood conjecture*, Compos. Math. **151** (2015), no. 9, 1647–1662.
12. Manfred Einsiedler and Elon Lindenstrauss, *On measures invariant under tori on quotients of semisimple groups*, Ann. of Math. (2) **181** (2015), no. 3, 993–1031.
13. Manfred Einsiedler, Elon Lindenstrauss, Philippe Michel, and Akshay Venkatesh, *The distribution of closed geodesics on the modular surface, and Duke’s theorem*, Enseign. Math. (2) **58** (2012), no. 3-4, 249–313.
14. Manfred Einsiedler and Shirali Kadyrov, *Entropy and escape of mass for $SL_3(\mathbb{Z}) \backslash SL_3(\mathbb{R})$* , Israel J. Math. **190** (2012), 253–288.
15. Manfred Einsiedler and Amir Mohammadi, *A joinings classification and a special case of Raghunathan’s conjecture in positive characteristic (with an appendix by Kevin Wortman)*, J. Anal. Math. **116** (2012), 299–334.
16. Manfred Einsiedler and Jimmy Tseng, *Badly approximable systems of affine forms, fractals, and Schmidt games*, J. Reine Angew. Math. **660** (2011), 83–97.
17. Manfred Einsiedler, *Eine Fields-Medaille für Elon Lindenstrauss*, Mitt. Dtsch. Math.-Ver. **19** (2011), no. 1, 22–24.
18. Manfred Einsiedler, *The ergodic theory of lattice subgroups*, Bull. Amer. Math. Soc. (N.S.) **48** (2011), no. 3, 475–480.
19. 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.

20. Manfred Einsiedler, Lior Fishman, and Uri Shapira, *Diophantine approximations on fractals*, Geom. Funct. Anal. **21** (2011), no. 1, 14–35.
21. 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.
22. Manfred Einsiedler, *Applications of measure rigidity of diagonal actions*, Proceedings of the International Congress of Mathematicians. Volume III (New Delhi), Hindustan Book Agency, 2010, pp. 1740–1759.
23. 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.
24. Manfred Einsiedler, *Effective equidistribution and spectral gap*, European Congress of Mathematics, Eur. Math. Soc., Zürich, 2010, pp. 31–51.
25. 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.
26. 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.
27. 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.
28. 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.
29. Manfred Einsiedler, *What is ... measure rigidity?*, Notices Amer. Math. Soc. **56** (2009), no. 5, 600–601.
30. 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.
31. M. Einsiedler and T. Fisher, *Differentiable rigidity for hyperbolic toral actions*, Israel J. Math. **157** (2007), 347–377.
32. M. Einsiedler and D. Kleinbock, *Measure Rigidity and p -adic Littlewood type problems*, Compositio Math. **143** (2007), 689–702.
33. M. Einsiedler and E. Lindenstrauss, *Joinings of higher-rank diagonalizable actions on locally homogeneous spaces*, Duke Math. J. **138** (2007), no. 2, 203–232.
34. 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.
35. M. Einsiedler, M. Kapranov, and D. Lind, *Non-Archimedean amoebas and tropical varieties*, J. Reine Angew. Math. **601** (2006), 139–157.
36. M. Einsiedler, *Ratner’s theorem on $SL(2, \mathbb{R})$ -invariant measures*, Jahresber. Deutsch. Math.-Verein. **108** (2006), no. 3, 143–164.
37. 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.
38. 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.
39. M. Einsiedler and T. Ward, *Isomorphism rigidity in entropy rank two*, Israel J. Math. **147** (2005), 269–284.
40. M. Einsiedler and T. Ward, *Entropy geometry and disjointness for zero-dimensional algebraic actions*, J. Reine Angew. Math. **584** (2005), 195–214.
41. M. Einsiedler, *Isomorphism and measure rigidity for algebraic actions on zero-dimensional groups*, Monatsh. Math. **144** (2005), no. 1, 39–69.

42. M. Einsiedler, G. Everest, and T. Ward, *Periodic points for good reduction maps on curves*, Geom. Dedicata **106** (2004), 29–41.
43. M. Einsiedler, G. Everest, and T. Ward, *Morphic heights and periodic points*, Number theory (New York, 2003), Springer, New York, 2004, pp. 167–177.
44. M. Einsiedler, *Invariant subsets and invariant measures for irreducible actions on zero-dimensional groups*, Bull. London Math. Soc. **36** (2004), no. 3, 321–331.
45. 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).
46. 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.
47. 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.
48. 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.
49. M. Einsiedler and T. Ward, *Asymptotic geometry of non-mixing sequences*, Ergodic Theory Dynam. Systems **23** (2003), no. 1, 75–85.
50. 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.
51. M. Einsiedler and K. Schmidt, *The adjoint action of an expansive algebraic \mathbb{Z}^d -action*, Monatsh. Math. **135** (2002), no. 3, 203–220.
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54. 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).
55. 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.
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59. M. Einsiedler and T. Ward, *Fitting ideals for finitely presented algebraic dynamical systems*, Aequationes Math. **60** (2000), no. 1-2, 57–71.
60. M. Einsiedler, *A generalisation of Mahler measure and its application in algebraic dynamical systems*, Acta Arith. **88** (1999), no. 1, 15–29.
61. 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.