

REFERENCES

1. R.L. Adler, A.G. Konheim and M.H. McAndrew, *Topological entropy*, Trans. Amer. Math. Soc. **114** (1965), 309–319.
2. H. Anzai, *Ergodic skew product transformations of the torus*, Osaka J. Math. **3** (1951), 83–99.
3. R. Bowen, *Entropy for group endomorphisms and homogeneous spaces*, Trans. Amer. Math. Soc. **153** (1971), 401–414; Errata **181** (1973), 509–510.
4. ———, *Periodic points and measures for axiom A diffeomorphisms*, Trans. Amer. Math. Soc. **154** (1971), 377–397.
5. V. Chothi, G. Everest and T. Ward, *Oriented local entropies for expansive commuting automorphisms*, Israel Journal of Math., To Appear (1995).
6. P.R. Halmos, *Approximation theories for measure preserving transformations*, Trans. Amer. Math. Soc. **55** (1944), 1–18.
7. E. Hewitt and K. Ross, *Abstract Harmonic Analysis*, vol. 1, Springer–Verlag, New York, 1967.
8. S. Kalikow, *The T, T^{-1} transformation is not loosely Bernoulli*, Annals of Math. **115** (1982), 393–409.
9. E.R. van Kampen, *Locally bicomact abelian groups and their character groups*, Annals of Math. **36** (1936), 448–463.
10. H.B. Keynes and J.B. Robertson, *Generators for topological entropy and expansiveness*, Math. System Theory **3** (1969), 51–59.
11. A. Khinchine, *Mathematical Foundations of Information Theory*, Dover, 1957.
12. B. Kitchens, *Expansive dynamics on zero–dimensional groups*, Ergodic Theory and Dynamical Systems **7** (1987), 249–261.
13. B. Kitchens and K. Schmidt, *Automorphisms of compact groups*, Ergodic Theory and Dynamical Systems **9** (1989), 691–735.
14. ———, *Markov subgroups of $(\mathbb{Z}/2\mathbb{Z})^{(\mathbb{Z}^2)}$* , Cont. Math. **135** (1992), 265–283.
15. A.N. Kolmogorov, *New metric invariants of transitive dynamical systems and automorphisms of Lebesgue spaces*, Doklady Akad. Nauk. SSSR **119** (1958), 861–864. (Russian)
16. W. Krieger, *On entropy and generators of measure preserving transformations*, Trans. Amer. Math. Soc. **149** (1970), 453–464; Errata **168** (1972), 519.
17. W. Lawton, *The structure of compact connected groups which admit an expansive automorphism*, Lecture Notes in Math., vol. 318, Springer–Verlag, Berlin and New York, 1973, pp. 182–196.
18. F. Ledrappier, *Un champ markovien peut être d’entropie nulle et mélangeant*, Comptes Rendu Acad. Sci. Paris Ser. A. **287** (1978), 561–562.
19. D.A. Lind, *Dynamical properties of quasihyperbolic toral automorphisms*, Ergodic Theory and Dynamical Systems **2** (1982), 49–68.

Typeset by $\mathcal{A}\mathcal{M}\mathcal{S}$ - $\mathcal{T}\mathcal{E}\mathcal{X}$

20. D.A. Lind and T. Ward, *Automorphisms of solenoids and p -adic entropy*, Ergodic Theory and Dynamical Systems **8** (1988), 411–419.
21. D.A. Lind, K. Schmidt and T. Ward, *Mahler measure and entropy for commuting automorphisms of compact groups*, Inventiones Mathematicæ **101** (1990), 593–629.
22. D.S. Ornstein, *Bernoulli shifts with the same entropy are isomorphic*, Advances in Math. **4** (1970), 337–352.
23. ———, *An example of a K -system that is not a Bernoulli shift*, Advances in Math. **10** (1973), 49–62.
24. ———, *A K -automorphism with no square root and Pinsker's conjecture*, Advances in Math. **10** (1973), 89–102.
25. D.S. Ornstein and B. Weiss, *Statistical properties of chaotic systems*, Bull. Amer. Math. Soc. **24** (1991), 11–116.
26. M.S. Pinsker, *Dynamical systems with completely positive and zero entropy*, Soviet Math. Dokl. **1** (1961), 937–938. (Russian)
27. L. Pontryagin, *The theory of topological commutative groups*, Annals of Math. **35** (1934), 361–388.
28. L. Pontryagin, *Topological Groups*, Princeton Univ. Press, Princeton, 1946.
29. W. Rudin, *Fourier Analysis on Groups*, Wiley, 1962.
30. K. Schmidt, *Mixing automorphisms of compact groups and a theorem by Kurt Mahler*, Pacific J. of Math. **137** (1989), 371–384.
31. ———, *Automorphisms of compact abelian groups and affine varieties*, Proc. London Math. Soc. **61** (1990), 480–496.
32. K. Schmidt and T. Ward, *Mixing automorphisms of compact groups and a theorem of Schlickewei*, Inventiones Mathematicæ **111** (1993), 69–76.
33. Ya.G. Sinai, *On the concept of entropy of a dynamical system*, Doklady Akad. Nauk. SSSR **124** (1959), 786–781. (Russian)
34. P. Walters, *A variational principle for the pressure of continuous transformations*, Amer. J. of Math. **97** (1976), 937–971.
35. ———, *An introduction to ergodic theory*, Springer-Verlag, New York, 1982.
36. T. Ward, *Periodic points for expansive actions of Z^d on compact abelian groups*, Bull. London Math. Soc. **24** (1992), 317–324.
37. A. Weil, *L'integration dans les groupes topologiques et ses applications*, Gauthiers Villars, Paris, 1938.
38. ———, *Basic Number Theory*, third edition, Springer-Verlag, New York, 1974.
39. S.A. Yuzvinskii, *Computing the entropy of a group of endomorphisms*, Sibirsk. Mat. Ž. **8** (1967), 230–239; English transl. in Siberian Math. Journal **8** (1968), 172–178.