CAROLINE SERIES PUBLICATIONS

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Research Papers

- 1. Ergodic actions of product groups, Pacific. J. Math. 20, 1977, 519 547.
- 2. An application of groupoid cohomology, Pacific J. Math. 91, 1980, 40 55.
- 3. The Rohlin tower theorem and hyperfiniteness for actions of continuous groups, Israel J. Math. 30, 1978, 99 122.
- 4. The Poincaré flow of a foliation, American J. Math. 102, 1978, 93 128.
- 5. Foliations of polynomial growth are hyperfinite, Israel J. Math. 34, 1979, 245 258.
- 6. (with R. Bowen) Markov maps associated with Fuchsian groups, IHES Publications 50, 1979, 153 170.
- 7. Symbolic dynamics for geodesic flows, Acta Math. 146, 1981, 103 128.
- 8. Coding geodesics with continued fractions, L'Enseignement Math. 29, 1981, 67 76.
- 9. A problem in ergodic theory, Bull. London Math. Soc. 14, 1982, 28 29.
- 10. The infinite word problem and limit sets in Fuchsian groups, Ergodic Theory and Dynam. Systems 1, 1981, 337 360.
- 11. Martin boundaries of random walks on Fuchsian groups, Israel J. Math. 44, 1983, 221 240.
- 12. (with R. Brooks) Bounded cohomology for surface groups, Topology 23, 1984, 29 36.
- 13. Non Euclidean geometry, continued fractions and ergodic theory, Math. Intelligencer $4,\ 1982,\ 24-31.$
- 14. (with J. Birman) Geodesics with bounded intersection number on surfaces are sparsely distributed, Topology 24, 1985, 217 227.
- 15. (with J. Birman) An algorithm for simple curves on surfaces, J. London Math. Soc. 2, 29, 1984, 331 342.
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- 19. (with J. Birman) Dehn's algorithm revisited, with application to simple curves on surfaces, in *Combinatorial Group Theory and Topology*, S. Gersten and J. Stallings eds., Ann. of Math. Studies III, Princeton Univ. Press 1987, 451 478.
- 20. Geometrical Markov coding of geodesics on surfaces of constant negative curvature, Ergodic Theory and Dynam. Systems 6, 1986, 601 625.
- 21. (with J. Birman) Algebraic Linearity for an automorphism of a surface group, J. of Pure and Applied Algebra 52, 1988, 227 275.
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- 24. Symbolic dynamics for geodesic flows, Proc. International Congress Math., Berkeley 1986, Vol. II, 1210 1215.
- 25. Some classical examples of chaotic dynamics, Proc. Roy. Soc. A413, 1987, 171 182.
- 26. Symbolic dynamics and diophantine approximation, in *Number Theory and Dynamical Systems*, M. Dodson and J. Vickers eds., LMS Lecture Notes 134, 1989, 49 67.
- 27. The growth function of a Fuchsian group, Papers presented to E.C. Zeeman, Warwick 1988, 281 291.
- 28. (with Ya. G. Sinai) Ising models on the Lobachevsky plane, Comm. Math. Phys. 128, 1990, 63 76.
- 29. Geometrical methods of symbolic coding, in *Ergodic Theory and Symbolic Dynamics in Hyperbolic Spaces*, T. Bedford, M. Keane and C. Series eds., Oxford Univ. Press 1991, 125 151.
- 30. Lectures on pleating coordinates for the Maskit embedding of the punctured torus, in *Proc. 4th workshop on Math. Physics*, Dong Pyo Chi ed., Korean Academic Council, Seoul 1992, 115 146.
- 31.] (with L. Keen) Pleating coordinates for punctured tori. Bull. American Math. Soc. 26, 1992, 141 146.
- 32. (with L. Keen) Pleating Coordinates for the Maskit embedding of the Teichmüller space of punctured tori, Topology 32, 1993, 719 749.
- 33. (with L. Keen and B. Maskit) Geometric finiteness and uniqueness for groups with circle packing limit sets. J. reine und angew. Mathematik 436, 1993, 209 219.
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- 37. (With L. Keen) How to bend pairs of punctured tori, in *Lipa's Legacy*, J. Dodziuk and L. Keen eds, Contemporary Math. 211, 1997, 359 387.
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- 64. (with Alexander I. Bufetov, Alexey Klimenko) Ergodic theorem for actions of Fuchsian groups. (Russian) Short communications, Uspekhi Math. Nauk Vol 78 Issue 3, 2023, 16-17. English translation Russ.Math. Surveys 78:3, 2023, 566-568.
- 65. Primitive stability and Bowditch's BQ-condition are equivalent. arXiv:1901.01396.
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- 67. The Bowen-Series map revisited. In preparation.

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- 3. (With D. Mumford and D. Wright) *Indra's Pearls*. Cambridge Univ. Press 2002. Japanese and Russian translationsr.
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- 2. How to make a pseudosphere, Manifold, 1988.
- 3. Non-Euclidean Kaleidoscopes, Interdisciplinary Science Reviews, 15, 1989, 224-234.
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- Fractals, Reflections and Distortions, New Scientist, No. 1735, Sept. 1990, 54-58; Reprinted in the Penguin Book of Chaos; (translated into Japanese).
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- 10. Contribution to George Mackey, 1916 2006, AMS Notices, Vol. 54 No 7, August 2007.
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- 12. Interview in Mathematics Today, February 2007.
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