

Index to Volume 2

- ALEXEYEV, V. M. Existence of a bounded function of the maximal spectral type, 259
ALEXEYEV, V. M. AND OSIPOV, YU. S. Accuracy of Kepler approximation for fly-by orbits near an attracting centre, 263
ARNOL'D, V. I. Singularities of Legendre varieties, of evolvents and of fronts at an obstacle, 301
- BALLMANN, W. AND BRIN, M. On the ergodicity of geodesic flows, 311
BLOCK, L. AND HART, D. The bifurcation of homoclinic orbits of maps of the interval, 131
BLOCK, L. AND HART, D. The bifurcation of periodic orbits of one-dimensional maps, 125
BRIN, M. *See* BALLMANN, W. AND BRIN, M.
- DANI, S. G. On uniformly distributed orbits of certain horocycle flows, 139
- ELLIS, R. AND GLASNER, S. Iterated extensions, 1
- FILIPKIEWICZ, R. P. Isomorphisms between diffeomorphism groups, 159
FRIED, D. Isentropic fitting of Anosov automorphisms, 173
- GLASNER, S. *See* ELLIS, R. AND GLASNER, S.
- HART, D. *See* BLOCK, L. AND HART, D.
HOFBAUER, F. AND KELLER, G. Equilibrium states for piecewise monotonic transformations, 23
- JACOBSON, M. V. Invariant measures for some one-dimensional attractors, 317
- KATOK, A. Entropy and closed geodesics, 339
KATOK, A. Some remarks on Birkhoff and Mather twist map theorems, 185
KELLER, G. *See* HOFBAUER, F. AND KELLER, G.
KIFER, Y. AND SLUD, E. Perturbations of random matrix products in a reducible case, 367
KRIEGER, W. On the subsystems of topological Markov chains, 195
- LEDRAPPIER, F. AND STRELCYN, J.-M. A proof of the estimation from below in Pesin's entropy formula, 203
LEHRER, E. AND WEISS, B. An ε -free Rohlin lemma, 45
LIND, D. A. Dynamical properties of quasihyperbolic toral automorphisms, 49
- MARGULIS, G. A. Finitely-additive invariant measures on Euclidean spaces, 383
MATHER, J. N. Glancing billiards, 397
MISIUREWICZ, M. Attracting Cantor set of positive measure for a C^∞ map of an interval, 405
MISIUREWICZ, M. Periodic points of maps of degree one of a circle, 221
MISIUREWICZ, M. Perturbations and transitivity for certain maps of an interval, 229
MOECKEL, R. Geodesics on modular surfaces and continued fractions, 69
MOUSSU, R. Symétrie et forme normale des centres et foyers dégénérés, 241
- (OSIPOV, YU. S. *See* ALEXEYEV, V. M. AND OSIPOV, YU. S.
- PESIN, YA. B. AND SINAI, YA. G. Gibbs measures for partially hyperbolic attractors, 417
PRZYTYCKI, F. Examples of conservative diffeomorphisms of the two-dimensional torus with coexistence of elliptic and stochastic behaviour, 439
- RATNER, M. Factors of horocycle flows, 465

- RUDOLPH, D. J. A mixing Markov chain with exponentially decaying return times is finitarily Bernoulli, 85
- RUDOLPH, D. J. Ergodic behaviour of Sullivan's geometric measure on a geometrically finite hyperbolic manifold, 491
- RUELLE, D. Repellers for real analytic maps, 99
- SARNAK, P. Entropy estimates for geodesic flows, 513
- SINAI, YA. G. *See* PESIN, YA. B. AND SINAI, YA. G.
- SLUD, E. *See* KIFER, Y. AND SLUD, E.
- STRELCYN, J.-M. *See* LEDRAPPIER, F. AND STRELCYN, J.-M.
- WOJTKOWSKI, M. On the ergodic properties of piecewise linear perturbations of the twist map, 525
- YOUNG, L.-S. Dimension, entropy and Lyapunov exponents, 109