## INDEX TO VOLUME 82 RESEARCH ANNOUNCEMENTS

Abikoff, William. Augmented Teichmüller spaces, 333
Ahmad, Shair and Lazer, A. C. Component properties of second order linear systems, 287
Allday, Christopher. The rational homotopy of fixed point sets of torus actions, 893
Altman, Allen B. and Kleiman, Steven L. Compactifying the Jacobian, 947
Anderson, Robert M. A nonstandard representation for Brownian motion and Itô integration, 99
Andreotti, A., Hill, C. D., Yojasiewicz, S. and MacKichan, B. Mayer-Vietoris sequences for complexes of differential operators, 487
Appel, K. and Haken, W. Every planar map is four colorable, 711
Arveson, William. A spectral theorem for nonlinear operators, 511
Aschbacher, Michael. Thin finite simple groups, 484
Aupetit, Bernard. On scarcity of operators with finite spectrum, 485
Bass, H., Connell, E. H. and Wright, D. L. Locally polynomial algebras are symmetric, 719
Baumslag, Gilbert. On the subalgebras of certain finitely presented algebras, 95
Baxendale, Peter. Markov processes on manifolds of maps, 505
Bedford, Eric and Taylor, B. A. The Dirichlet problem for a complex Monge-Ampere equation, 102
Bednarek, A. R. and Ulam, S. M. Generators for algebras of relations, 781
Bell, Harold. A fixed point theorem for plane homeomorphisms, 778
Bellow, Alexandra. Stability properties of the class of asymptotic martingales, 338
Bieri, Robert and Eckmann, Beno. Cobordism for Poincaré duality groups, 137
Birman, Joan S. and Craggs, R. On the $\mu$-invariant of Z-homology 3-spheres, 253
Bloom, Frederick. Stability and growth estimates for Volterra integrodifferential equations in Hilbert space, 603
Brézis, H. and Browder, F. E. Singular Hammerstein equations and maximal monotone operators, 623
——. Nonlinear ergodic theorems, 959
Browder, F. E. See Brézis, H.
Caffarelli, Luis A. The regularity of elliptic and parabolic free boundaries, 616
Cantwell, John and Conlon, Lawrence. Open leaves in closed 3-manifolds, 256
Cappell, Sylvain E. and Shaneson, Julius L. Construction of some new four-dimensional manifolds, 69
Casazza, P. G., Kottman, C. A. and Lin, Bor-Luh, On primary Banach spaces, 71
Cavaretta, Alfred S., Jr. One-sided inequalities for the successive derivatives of a function, 303
Cesari, Lamberto. Existence theorems across a point of resonance, 903
Cesari, L. and Suryanarayana, M. B. Existence theorems for Pareto optimization in Banach spaces, 306
Chu, Le Quang. Duality and Kato's theorem on small perturbations, 896
Cline, R. E. and Funderlic, R. E. A theorem on the rank of a difference of matrices, 48
Conlon, Lawrence. See Cantwell, John
Connell, E. H. See Bass, H.
Conway, John B. and Olin, Robert F. A functional calculus for subnormal operators, 259
Craggs, R. See Birman, Joan S.
Damon, James. A partial topological classification for stable map germs, 105
—. Topological stability in the nice dimensions $(n \leqslant p), 262$
Dani, S. G. Dynamical systems on homogeneous spaces, 950
Deignan, Daniel. A Wiener-like condition for quasilinear parabolic equations, 309

