## INDEX TO VOLUME 78

## RESEARCH ANNOUNCEMENTS

Allan, N. D. Hecke rings of congruence subgroups, 541.
Allen, H. P. Invariant splittings in nonassociative algebras: A Hopf approach, 245.
Amdursky, V. The existence of solutions to classical variational problems without assuming convexity, 394.
Anderson, D. R. Generalized product theorems for torsion invariants with applications to flat bundles, 465.
Anderson, D. W. A generalization of the Eilenberg-Moore spectral sequence, 784.
Andersson, K. G. Propagation of analyticity for solutions of differential equations of principal type, 479.
Andre, Michel. Nonnoetherian complete intersections, 724.
Arkeryd, Leif. An existence theorem for a modified space-inhomogeneous, nonlinear Boltzmann equation, 610.
Aron, R. M. Holomorphic functions on balanced subsets of a Banach space, 624.
Arveson, William. Lattices of invariant subspaces, 515.
Auslander, Louis and Brezin, Jonathan. Invariant subspace theory for three-dimensional nilmanifolds, 255.
Baernstein, Albert II. Proof of Edrei's spread conjecture, 277.
Baouendi, M. S. and Goulaouic, C. Nonanalytic-hypoellipticity for some degenerate elliptic operators, 483.
Batt, Jürgen. Strongly additive transformations and integral representations with measures of nonlinear operators, 474.
Baumslag, Gilbert. On finitely presented metabelian groups, 279.
Beals, Richard. Mixed boundary value problems for nonstrict hyperbolic equations, 520.
Berger, M. S. On Hermitian structures of prescribed nonpositive Hermitian scalar curvature, 734.

Berger, M. S. and Schechter, Martin. On the solvability of semilinear operator equations and elliptic boundary value problems, 741.
Birman, J. S. and Hilden, H. M. Isotopies of homeomorphisms of Riemann surfaces and a theorem about Artin's braid group, 1002.
Bott, R. and Haefliger, A. On characteristic classes of $\Gamma$-foliations, 1039.
Bourgin, D. G. Set valued transformations, 597.
Brezin, Jonathan. See Auslander, Louis.
Brooks, J. K. Weak compactness in the space of vector measures, 284.
Brooks, J. K. and Lewis, P. W. Operators on functions spaces, 697.
Brosowski, Bruno and Deutsch, Frank. Some new continuity concepts for metric projections, 974.

Browder, F. E. Generalizations of accretivity for nonlinear mappings of Banach spaces, 93.
——.Normal solvability and $\phi$-accretive mappings of Banach spaces, 186.
Brown, Marianne. Constructing isotopies in noncompact 3-manifolds, 461.
Campbell, D. M. Majorization-subordination theorems for locally univalent functions, 535.
Cappell, S. E. and Shaneson, J. L. Submanifolds, group actions and knots. I, 1045.
-. Submanifolds, group actions and knots. II, 1049.
Cellina, Arrigo. On the nonexistence of solutions of differential equations in nonreflexive spaces, 1069.
Chang, B. C. Which abelian groups can be fundamental groups of regions in Euclidean spaces?, 470.

Chang, Theodore and Skjelbred, Tor. Group actions on Poincaré duality spaces, 1024.
Chapman, T. A. Characterizing shapes of compacta, 847.
Chen, B.-Y. Surfaces with parallel mean curvature vector, 709.
Chen, B.-Y. and Ludden, G. D. Rigidity theorems for surfaces in euclidean space, 72.
Chernoff, P. R. Nonassociative addition of unbounded operators and a problem of Brezis and Pazy, 562.
Chvátal, Václav and Harary, Frank. Generalized Ramsey theory for graphs, 423.
Clark, D. N. Extending Fourier transforms into Sz.-Nagy-Foiaş spaces, 65.
Coffee, J. P. Filtered and associated graded rings, 584.
Cohen, J. M. A note on Poincaré 2-complexes, 763.
Csordas, G. L. and Reiter, H. B. Some results on separating function algebras, 578.

