# INDEX TO VOLUME 12


Akemann, Charles A., *Conditions for countability of the spectrum of a separable $C^*$-algebra*, 545.

Anderson, Marlow, *The hulls of $C(Y)$*, 7.

Arnold, David M., *Endomorphism rings and subgroups of finite rank torsion-free Abelian groups*, 241.

Aron, Eleanor R., *Extensions of $\ell$-homomorphisms*, 481.

Baker, C. W., *A closed graph theorem for Banach bundles*, 537.

Barnhill, Robert E., *Computable error bounds for finite element approximations to the Dirichlet problem*, 459.

Bebernes, J., *Comparison techniques and the method of lines for a parabolic functional equation*, 723.

Berberian, S. K., *The maximal ring of quotients of a finite von Neumann algebra*, 149.

Berger, T. R., *A universal example of a core-free permutable subgroup*, 345.

Bernfeld, S. R., *Linear monotone method for nonlinear boundary value problems in Banach spaces*, 807.

Brown, David E., *Asymptotic behavior of solutions to perturbed linear differential equations*, 843.

Cantrell, Robert Stephen, *Multiparameter bifurcation problems for second order ordinary differential equations*, 795.

Carrol, Robert, *The Gelfand-Levitan and Marcenko equations via transmutation*, 393.

Cater, F. S., *Certain functionals on $\ell_\infty$*, 1.

Cima, Joseph A., *Minimal $H^p$ interpolation in the Caratheodory class*, 103.

Colvin, M. R., *Multi-valued mappings of closed and bounded subsets of a normed linear space—A mapping degree*, 185.

Conrad, Paul, See Anderson, Marlow.

D'Angelo, John P., *Holomorphic functions commuting with absolute values*, 93.

Eloe, P. W., *Conjugate type boundary value problems for functional-differential equations*, 627.

Ely, R., See Bebernes, J.

Engstrom, Philip G., *Singular perturbations of two Cauchy problems in a Hilbert space*, 561.

Erbe, Lynn H ., *Nonoscillation results for second order nonlinear differential equations*, 635.

Ewell, John A., *On an octuple-product identity*, 279.

Farahat, H. K., *Additions compatible with multiplication*, 299.

Feinsilver, Philip, *Commutators, anti-commutators and Eulerian calculus*, 171.

Fink, A. M., *Steffensen type inequalities*, 785.

Freedman, H. I., *Predator influence on the growth of a population with three genotypes II*, 779.

Gaines, R. E., *A coincidence theorem in convex sets with applications to periodic solutions of ordinary differential equations*, 669.

Glasner, Moses, *Limits of Dirichlet finite functions along curves*, 429.

Grimm, L. J., See Eloe, P. W.

Gross, Fletcher, *Infinite permutable subgroups*, 333.

Gross, Fletcher, See Berger, T. R.

Hager, Anthony W., See Aron, Eleanor R.

Heitmann, Raymond C., *A non-catenary, normal, local domain*, 145.

Helms, Lester L., *A nonstandard proof of the Martingale convergence theorem*, 165.

Henry, Myron S., *Lebesgue and strong unicity constants for Zolotareff polynomials*, 547.

Hentzel, I. R., *Generalized alternative and Malcev algebras*, 367.
Herrmann, Robert A., *Extensions of maps defined on convergence spaces*, 23.
Himmelberg, C. J., *A note on the solution sets of differential inclusions*, 621.
Hooker, John W., *On regular systems of linear differential equations with constant coefficients*, 591.
Hooton, James G., *Dirichlet semigroups on bounded domains*, 283.
Howes, F. A., *Differential inequality techniques and singular perturbations*, 767.
Hsia, Wei Shen, *On the existence of unique eigensets of monotone processes*, 213.
Jani, Mahendra, *Induced shape fibrations and fiber shape equivalence*, 305.
Katz, Richard, See Glasner, Moses.
Kelley, Walter G., *Boundary value problems for pairs of second order equations containing a small parameter*, 655.
Keyfitz, Barbara Lee, *Bounds for viscosity profiles for* $2 \times 2$ *systems of conservation laws*, 225.
Koch, Richard M., *On Lie groups with minimal generating sets of order equal to their dimension*, 437.
Kofner, Jacob, *Open compact mappings, Moore spaces and orthocompactness*, 107.
Lakshmikantham, V., See Bernfeld, S. R.
Langenhop, Carl E., See Hooker, John W.
Lanski, Charles, *Chain conditions and integral extensions*, 375.
Loeb, Peter A., See Helms, Lester L.
Lowenthal, Franklin, See Koch, Richard M.
Madden, James J., See Aron, Eleanor R.
Mathsen, R. M., *Hereditary* $\lambda$ *(n,k)-families and generalized convexity of functions*, 753.
Mawhin, J., *Nonuniform nonresonance conditions at the two first eigenvalues for periodic solutions of forced Lienard and Duffing equations*, 643.
Megibben, Charles, *Generalized pure injectivity in the constructible universe*, 557.
Meisters, Gary H., *Jacobian problems in differential equations and algebraic geometry*, 679.
Mekler, Alan H., *On Shelah's Whitehead groups and CH*, 271.
Miller, R. K., *On existence of limit cycles in systems with discontinuous nonlinear terms*, 707.
Milnes, Paul, *Almost periodic functions on semitopological semigroups*, 265.
Minda, C. D., *Univalence criteria and the hyperbolic metric*, 471.
Mines, Ray , *Separability and factoring polynomials*, 43.
Muldowney, James S., See Erbe, Lynn H.
Natarajan, Balakrish R., See Hsia, Wei Shen.
Nowell, Jr., W. O., *Normal fibrations and the existence of tubular neighborhoods*, 581.
Pao, C. V., *Asymptotic stability of a coupled diffusion system arising from gas-liquid reactions*, 55.
Peterson, Allan C., *A disfocality function for a nonlinear ordinary differential equation*, 741.
Prevot, Kenneth J., *Cutting and pasting involutions*, 233.
Richardson, Gary D., *A convergence structure on a class of probability measures*, 39.
Richman, Fred, See Mines, Ray.
Rodabaugh, S. E., *Connectivity and the L-fuzzy unit interval*, 113.
Saab, Paulette, *The Dunford-Pettis property of some spaces of affine vector-valued functions*, 491.
Santanilla M., Jairo, See Gaines, R. E.
Scheiblich, H. E., *Generalized inverse semigroups with involution*, 205.
Schmitt, Klaus, *Fredholm alternatives for nonlinear differential equations*, 817.

Seifert, George, *On Caratheodory conditions for functional differential equations with infinite delays*, 615.
Sherman, Thomas L., See Brown, David E.
Skar, S. J., See Miller, R. K.
Smith, H. F., See Hentzel, I. R.
Smith, Hal, See Schmitt, Klaus.
Sons, L. R., *Borel exceptional values in the unit disk*, 197.
Swetits, John J., See Henry, Myron S.
Taylor, Jr., W. E., *Oscillation and asymptotic behavior in certain differential equations of odd order*, 97.
Terras, Audrey, *On automorphic forms for the general linear group*, 123.
Thompson, Russell C., *A note on monotonicity properties of a free boundary problem for an ordinary differential equation*, 735.
Van Vleck, F. S., See Himmelberg, C. J.
Walter, Martin E., *Differentiation on the dual of a group: an introduction*, 497.
Waltman, Paul, See Freedman, H. I.
Ward, J. R., See Mawhin, J.
Wilcox, Calvin H., See Barnhill, Robert E.
Wright, D. J., See Minda, C. D.
Wright, Steve, *On factor states*, 569.
Yerion, K. A., *Multiparametered nonhomogenous nonlinear equations*, 257.
Zalcman, Lawrence, *Modern perspectives on classical function theory*, 75.
Zwahlen, B., *Perturbations of a boundary value problem with positive, increasing and convex nonlinearity*, 219.