J. J. Koliha. Pseudo-inverses of operators ..... 325
J. Blass. On the diophantine equation $Y^{2}+K=X^{5}$ ..... 329
Eduardo H. Cattani. On the partial compactification of the arith- metic quotient of a period matrix domain ..... 330
S. J. Bernau. Lateral completion for arbitrary lattice groups ..... 334
Johan F. Aarnes. Frobenius reciprocity of differentiable rep- resentations ..... 337
P. K. Kulshrestha. Coefficients for alpha-convex univalent functions ..... 341
Neil Eklund. Generalized super-parabolic functions ..... 343
Neil Fenichel. Asymptotic stability with rate conditions for dyna- mical systems ..... 346
Kai-Tak Wong. On extended structures of a closed operator related to semigroup theory and the abstract Cauchy problem ..... 350
R. A. Tapia. A general approach to Newton's method for Banach space problems with equality constraints ..... 355
James H. White. Minimal total absolute curvature for orientable surfaces with boundary ..... 361
Hui-Hsiung Kuo. The Morse-Palais lemma on Banach spaces ..... 363
Heiner Zieschang. Addendum to: "On extensions of fundamental groups of surfaces and related groups" ..... 366
1973 Election Results ..... 368

## Members of the Council for 1974

[^0]
## CONTENTS

March, 1974
J. T. Schwartz. Semantic and syntactic issues in programming ..... 185
Mary-Elizabeth Hamstrom. Homotopy in homeomorphism spaces, TOP and PL ..... 207
A. Ionescu Tulcea. On measurability, pointwise convergence and compactness ..... 231
Elections to membership ..... 237
Colloquium in combinatorial theory, Rome. ..... 238
M. Cantor. Sobolev inequalities for Riemannian bundles ..... 239
Su-Shing Chen. On Lobatchewsky manifolds ..... 244
C. A. Robinson. Stable homotopy theory over a fixed base space. ..... 248
G. B. Folland and E. M. Stein. Parametrices and estimates for the $\bar{\partial}_{b}$ complex on strongly pseudoconvex boundaries ..... 253
Robert Sharpley. Interpolation of operators for $\Lambda$ spaces ..... 259
Michael J. Fisher. Properties of three algebras related to $L_{p}{ }^{-}$ multipliers ..... 262
Michael Anshel and Peter Stebe. The solvability of the conjugacy problem for certain HNN groups ..... 266
John N. Mather. Simplicity of certain groups of diffeomorphisms ..... 271
Richard A. Hunt and Wo-Sang Young. A weighted norm inequality for Fourier series ..... 274
Robert J. Sacker and George R. Sell. A note on Anosov diffeo- morphisms ..... 278
Melvin Hochster and Joel L. Roberts. Actions of reductive groups on regular rings and Cohen-Macaulay rings ..... 281
Daniel Drucker. Orbit structure of the exception Hermitian sym- metric spaces. I ..... 285
Burton Fein and Murray Schacher. Finite subgroups of finite dimen- sional division algebras ..... 290
Robert F. Brown. Fixed points of endomorphisms of compact groups ..... 293
Ching Chou. Weakly almost periodic functions with zero mean ..... 297
James O. Stevenson. Holomorphy of composition ..... 300
William Thurston. Foliations and groups of diffeomorphisms ..... 304
Umberto Mosco and Gilbert Strang. One-sided approximation and variational inequalities ..... 308
Richard Bouldin. Positive near-approximants and some problems of Halmos ..... 313
M. D. Choi and Chandler Davis. The spectral mapping theorem for joint approximate point spectrum ..... 317
C. Vaseekaran. Equivariant homotopy theory ..... 322


[^0]:    Robert G. Bartle, Hyman Bass, Paul T. Bateman, Anatole Beck, Lipman Bers, Raoul H. Bott, James H. Bramble, Fred Brauer, Glen E. Bredon, William Browder, Edgar H. Brown, Jr., Alberto P. Calderón, S. S. Chern, Philip T. Church, W. Wistar Comfort, Charles W. Curtis, Samuel Eilenberg, Jacob Feldman, Robert M. Fossum, Frederick W. Gehring, Richard R. Goldberg, Michael Golomb, Walter H. Gottschalk, Mary W. Gray, Paul R. Halmos, Orville G. Harrold, Jr., Alston S. Householder, Eugene Isaacson, Irving Kaplansky, Herbert B. Keller, John L. Kelley, Harry Kesten, Robion C. Kirby, Alistair H. Lachlan, Lee Lorch, Saunders Mac Lane, Arthur P. Mattuck, Edwin E. Moise, Cathleen S. Morawetz, P. S. Mostert, Barbara L. Osofsky, Franklin P. Peterson, Everett Pitcher, Murrary H. Protter, Dock S. Rim, Kenneth A. Ross, Jane Cronin Scanlon, Jacob T. Schwartz, Robert T. Seeley, Allen L. Shields, I. M. Singer, Shlomo Sternberg, Dorothy Maharam Stone, Olga Taussky, François Treves, Hans F. Weinberger, John W. Wrench, Jr.

