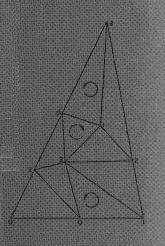
Pacific Journal of Mathematics



Paul R. Beesack, On the Green's function of an N-point boundary value problem. 801 J. R. Boen, On p-automorphic p-groups. 813 J. Boen, O. Rothaus and J. Thompson, Further results on p-automorphic p-groups. 813 J. He Bramble and L. E. Payne, Bounds in the Neumann problem for second order uniformly elliptic operators. 823 C. C. Chang and H. Jerome Keisler, Applications of ultraproducts of pairs of cardinals to the theory of models. 847 Paul Civin, Annihilators in the second conjugate algebra of a group algebra. 855 J. H. Curtiss, Polynomial interpolation in points equidistributed on the unit circle. 863 M. K. Fort, Jr., Homogeneity of infinite products of manifolds with boundary. 879 James Glimm, Families of induced representations 929 James Glimm, Families of induced representations 929 James Glorenstein, Reuben Sandler and W. H. Mills, On almost-commuting permutations. 929 James Glorenstein, Reuben Sandler and W. H. Mills, On almost-commuting permutations. 929 James Horbstadt, Fourier series with linearly dependent coefficients. 929 Kenneth Hoffman and John Wermer, A characterization of C(X). 941 Robert W. Hunt, The behavior of solutions of ordinary, self-adjoint differential equations of arbitrary even order. 963 David London, On the zeros of the solutions of w'(2) + p(z)w(z) = 0. 979 G. R. MacLane and F. B. Ryan, On the radial limits of Blaschke products. 993 T. M. MacRobert, Evaluation of an E-function when three of its upper parameters differ by integral values 993 Robert McKelvey, The spectra of minimal self-adjoint extensions of a symmetric operator. 1023 David A. Pope, On the approximation of function spaces in the calculus of variations 91 Sernard W. Roos and Ward C. Sangren, Three spectral theorems for a pair of singular first-order differential equations on Riemann surfaces 1023 David A. Pope, On the approximation of polynomials over finite fields 1105 Bernard W. Roos and Ward C. Sangren, Three spectral theorems for a pair of singular first-order differential equations on Riemann surfaces 1099 S. C. T	Alfred Aeppli, Some exact sequences in cohomology theory for Kähler manifolds. 78	91
J. R. Boen, On p-automorphic p-groups. J. Boen, O. Rothaus and J. Thompson, Further results on p-automorphic p-groups. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules and Every of infinite products of a group algebra. J. H. Curtiss, Polynomial interpolation in points equidistributed on the unit circle. M. K. Fort, Jr., Homogeneity of infinite products of manifolds with boundary. James Glimm, Families of induced representations. Sas Baniel Gorenstein, Reuben Sandler and W. H. Mills, On almost-commuting permutations. V. C. Harris and M. V. Subba Rao, Congruence properties of or(N). Steneth Hoffman and John Wermer, A characterization of C(X). Harry Hochstadt, Fourier series with linearly dependent coefficients. Sedward T. Kobayashi, A remark on the Nijenhuis tensor. Schavid London, On the zeros of the solutions of ordinary, self-adjoint differential equations of arbitrary even order. Edward T. Kobayashi, A remark on the Nijenhuis tensor. M. MacRobert, Evaluation of an E-function when three of its upper parameters differ by integral values. Poper M. MacRobert, Evaluation of an E-function when three of its upper parameters differ by integral values. Poper McKelvey, The spectra of minimal self-adjoint extensions of a symmetric operator. A Olubummo, Operators of finite rank in a reflexive Banach space. 1023 David A. Pope, On the approximation of function spaces in the calculus of variations. 1029 Bernard W. Roos and Ward C. Sangren, Three spectral theorems for a pair of singular first-order differential equations. 1030 1047 Arthur A. Sagle, Simple Malcev algebras over fields of characteristic zero. 1057 Richard G. Swan, Factorization of polynomials over finite fields. 1068 1079 Bernard W. Roos and Ward C. Sangren, Three spectral theorems for a pair of singular first-order differential equations. 1070 Richard G. Swan, Factorization of polynomials over finite fields. 1081 1095 1097 1098 11098 1110 1107 1107 1107 1	Paul R. Beesack, On the Green's function of an N-point boundary value problem. 80	
J. Boen, O. Rothaus and J. Thompson, Further results on p-automorphic p-groups. J. H. Bramble and L. E. Payne, Bounds in the Neumann problem for second order uniformly elliptic operators. C. C. Chang and H. Jerome Keisler, Applications of ultraproducts of pairs of cardinals to the theory of models. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of manifolds with boundary. J. H. Curtiss, Polynomial interpolation in points equidistributed on the unit circle. Stephen U. Chase, On direct sums and products of manifolds with boundary. J. H. Curtiss, Polynomial interpolation in points equidistributed on the unit circle. Stephen U. Chase, On direct sums and products of manifolds with boundary. Stephen U. Chase, Polynomial interpolation in points equidistributed on the unit circle. Stephen U. Chase, On direct sums and products of manifolds with boundary. Stephen U. Chase, Polynomial interpolation in points equidistributed on the unit circle. Stephen U. Chase, Polynomial interpolation in points equidistributed on the unit circle. Stephen U. Chase, Polynomial Rothaus ended to the unit circle. Stephen U. Chase, Polynomial Rothaus ended to the unit circle. Stephen U. Chase, Polynomial Rothaus ended to the unit circle. Stephen U. Chase, Polynomial Rothaus ended to the unit circle. Stephen U. Chase, Polynomial Rothaus ended to the unit circle. Stephen U. Chase, Polynomial Rothaus ended to the unit circle. Stephen U. Chase, Polynomial Rothaus ended to the unit circle. Stephen U. Chase, Polynomial Rothaus ended to the unit circle. Stephen U. Chase, Polynomial Rothaus ended to the polynomial sover finite fields. Stephen U. Chase, Absolute continuity of infinitely divisible distributions. Stephen U. Chase, Absolute continuity of infinitely divisible distributions. Stephen U. C	J. R. Boen, On p-automorphic p-groups	13
p-groups. 817 J. H. Bramble and L. E. Payne, Bounds in the Neumann problem for second order uniformly elliptic operators. 823 C. C. Chang and H. Jerome Keisler, Applications of ultraproducts of pairs of cardinals to the theory of models. 835 Stephen U. Chase, On direct sums and products of modules. 847 Paul Civin, Annihilators in the second conjugate algebra of a group algebra. 855 J. H. Curtiss, Polynomial interpolation in points equidistributed on the unit circle. 863 M. K. Fort, Jr., Homogeneity of infinite products of manifolds with boundary. 879 James Glimm, Families of induced representations. 885 Daniel Gorenstein, Reuben Sandler and W. H. Mills, On almost-commuting permutations. 913 V. C. Harris and M. V. Subba Rao, Congruence properties of $\sigma r(N)$ 925 Harry Hochstadt, Fourier series with linearly dependent coefficients. 929 Kenneth Hoffman and John Wermer, A characterization of $C(X)$ 941 Robert W. Hunt, The behavior of solutions of ordinary, self-adjoint differential equations of arbitrary even order. 945 Edward T. Kobayashi, A remark on the Nijenhuis tensor. 963 David London, On the zeros of the solutions of w"(z) + p(z)w(z) = 0 979 G. R. MacLane and F. B. Ryan, On the radial limits of Blaschke products 993 T. M. MacRobert, Evaluation of an E-function when three of its upper parameters differ by integral values 993 Robert McKelvey, The spectra of minimal self-adjoint extensions of a symmetric operator of finite rank in a reflexive Banach space 1023 David A. Pope, On the approximation of function spaces in the calculus of variations 1029 Bernard W. Roos and Ward C. Sangren, Three spectral theorems for a pair of singular first-order differential equations on Riemann surfaces 1079 Richard G. Swan, Factorization of polynomials over fields of characteristic zero 1057 Leo Sario, Meromorphic functions and comformal metrics on Riemann surfaces 1079 Richard G. Swan, Factorization of polynomials over finite fields 1115 Howard G. Tucker, Absolute continuity of infinitely divisible distributions 1125 Elliot Car	J. Boen, O. Rothaus and J. Thompson, Further results on p-automorphic	
J. H. Bramble and L. E. Payne, Bounds in the Neumann problem for second order uniformly elliptic operators. C. C. Chang and H. Jerome Keisler, Applications of ultraproducts of pairs of cardinals to the theory of models	p- $groups$ 82	17
order uniformly elliptic operators. C. C. Chang and H. Jerome Keisler, Applications of ultraproducts of pairs of cardinals to the theory of models. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of a group algebra. Stephen U. Chase, On direct sums and products of a group algebra. Stephen U. Chase, On direct sums and products of a group algebra. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On direct sums and products of modules. Stephen U. Chase, On almost consulting sentions. Stephen U. Chase, On the product of modules and sentions. Stephen U. Chase, On the approximation of an E-function when three of its upper parameters differ by integral values. Stephen U. Chase, On the approximation of function spaces in the calculus of variations. Country of singular first-order differential equations. A. Olubummo, Operators of finite rank in a reflexive Banach space. 1023 David A. Pope, On the approximation of function spaces in the calculus of singular first-order differential equations. 1024 Arthur A. Sagle, Simple Malcev algebras over fields of characteristic zero. 1037 Leo Sario, Meromorphic functions and comformal metrics on Riemann surfaces. 1039 S. C. Tang, Some theorems on the ratio of empi	J. H. Bramble and L. E. Payne, Bounds in the Neumann problem for second	
C. C. Chang and H. Jerome Keisler, Applications of ultraproducts of pairs of cardinals to the theory of models	order uniformly elliptic operators	23
stephen U. Chase, On direct sums and products of modules	C. C. Chang and H. Jerome Keisler, Applications of ultraproducts of pairs	
Stephen U. Chase, On direct sums and products of modules	of cardinals to the theory of models	35
Paul Civin, Annihilators in the second conjugate algebra of a group algebra. 855 J. H. Curtiss, Polynomial interpolation in points equidistributed on the unit circle. 863 M. K. Fort, Jr., Homogeneity of infinite products of manifolds with boundary. 879 James Glimm, Families of induced representations. 885 Daniel Gorenstein, Reuben Sandler and W. H. Mills, On almost-commuting permutations. 913 V. C. Harris and M. V. Subba Rao, Congruence properties of or(N) 925 Harry Hochstadt, Fourier series with linearly dependent coefficients. 929 Kenneth Hoffman and John Wermer, A characterization of C(X) 941 Robert W. Hunt, The behavior of solutions of ordinary, self-adjoint differential equations of arbitrary even order. 945 Edward T. Kobayashi, A remark on the Nijenhuis tensor 963 David London, On the zeros of the solutions of w''(z) + p(z)w(z) = 0 979 G. R. MacLane and F. B. Ryan, On the radial limits of Blaschke products 993 T. M. MacRobert, Evaluation of an E-function when three of its upper parameters differ by integral values 999 Robert McKelvey, The spectra of minimal self-adjoint extensions of a symmetric operator 1003 A. Olubummo, Operators of finite rank in a reflexive Banach space 1023 David A. Pope, On the approximation of function spaces in the calculus of variations 1029 Bernard W. Roos and Ward C. Sangren, Three spectral theorems for a pair of singular first-order differential equations 1029 Robert McKelvey and C. Sangren, Three spectral theorems for a pair of singular first-order differential equations 1029 Robert Sangren, Factorization of polynomials over finite fields 1099 S. C. Tang, Some theorems on the ratio of empirical distribution to the theoretical distribution 1107 R. C. Thompson, Normal matrices and the normal basis in Abelian number fields 1115 Howard G. Tucker, Absolute continuity of infinitely divisible distributions 1125 Elliot Carl Weinberg, Completely distributive lattice-ordered groups 1131 James Wells, A note on the primes in a Banach algebra of measures 1139	Stephen U. Chase, On direct sums and products of modules	47
J. H. Curtiss, Polynomial interpolation in points equidistributed on the unit circle	Paul Civin, Annihilators in the second conjugate algebra of a group algebra 85	55
circle	J. H. Curtiss, Polynomial interpolation in points equidistributed on the unit	
James Glimm, Families of induced representations. Daniel Gorenstein, Reuben Sandler and W. H. Mills, On almost-commuting permutations. V. C. Harris and M. V. Subba Rao, Congruence properties of $\sigma r(N)$. 925 Harry Hochstadt, Fourier series with linearly dependent coefficients. 929 Kenneth Hoffman and John Wermer, A characterization of $C(X)$. 941 Robert W. Hunt, The behavior of solutions of ordinary, self-adjoint differential equations of arbitrary even order. 945 Edward T. Kobayashi, A remark on the Nijenhuis tensor. 963 David London, On the zeros of the solutions of $w''(z) + p(z)w(z) = 0$. 979 G. R. MacLane and F. B. Ryan, On the radial limits of Blaschke products. 993 T. M. MacRobert, Evaluation of an E-function when three of its upper parameters differ by integral values. 998 Robert McKelvey, The spectra of minimal self-adjoint extensions of a symmetric operator. A. Olubummo, Operators of finite rank in a reflexive Banach space. 1003 A. Olubummo, Operators of finite rank in a reflexive Banach space. 1023 David A. Pope, On the approximation of function spaces in the calculus of variations. 1029 Bernard W. Roos and Ward C. Sangren, Three spectral theorems for a pair of singular first-order differential equations. 1047 Arthur A. Sagle, Simple Malcev algebras over fields of characteristic zero. 1057 Leo Sario, Meromorphic functions and comformal metrics on Riemann surfaces. 1079 S. C. Tang, Some theorems on the ratio of empirical distribution to the theoretical distribution. 1107 R. C. Thompson, Normal matrices and the normal basis in Abelian number fields. 1115 Howard G. Tucker, Absolute continuity of infinitely divisible distributions. 1125 Elliot Carl Weinberg, Completely distributive lattice-ordered groups. 1131 James Wells, A note on the primes in a Banach algebra of measures.	circle	
Daniel Gorenstein, Reuben Sandler and W. H. Mills, On almost-commuting permutations	M. K. Fort, Jr., Homogeneity of infinite products of manifolds with boundary. 87	
permutations	James Glimm, Families of induced representations	35
V. C. Harris and M. V. Subba Rao, Congruence properties of $\sigma(N)$	Daniel Gorenstein, Reuben Sandler and W. H. Mills, On almost-commuting	
Harry Hochstadt, Fourier series with linearly dependent coefficients. 929 Kenneth Hoffman and John Wermer, A characterization of $C(X)$. 941 Robert W. Hunt, The behavior of solutions of ordinary, self-adjoint differential equations of arbitrary even order. 945 Edward T. Kobayashi, A remark on the Nijenhuis tensor. 963 David London, On the zeros of the solutions of $w''(z) + p(z)w(z) = 0$. 979 G. R. MacLane and F. B. Ryan, On the radial limits of Blaschke products. 993 T. M. MacRobert, Evaluation of an E-function when three of its upper parameters differ by integral values. 999 Robert McKelvey, The spectra of minimal self-adjoint extensions of a symmetric operator. 1003 A. Olubummo, Operators of finite rank in a reflexive Banach space. 1023 David A. Pope, On the approximation of function spaces in the calculus of variations. 1029 Bernard W. Roos and Ward C. Sangren, Three spectral theorems for a pair of singular first-order differential equations. 1047 Arthur A. Sagle, Simple Malcev algebras over fields of characteristic zero. 1057 Leo Sario, Meromorphic functions and comformal metrics on Riemann surfaces. 1079 Richard G. Swan, Factorization of polynomials over finite fields. 1099 S. C. Tang, Some theorems on the ratio of empirical distribution to the theoretical distribution. 1107 R. C. Thompson, Normal matrices and the normal basis in Abelian number fields. 1115 Howard G. Tucker, Absolute continuity of infinitely divisible distributions. 1125 Elliot Carl Weinberg, Completely distributive lattice-ordered groups. 1131 James Wells, A note on the primes in a Banach algebra of measures. 1139	permutations	
Kenneth Hoffman and John Wermer, A characterization of $C(X)$	V. C. Harris and M. V. Subba Rao, Congruence properties of $\sigma r(N)$ 92	
Robert W. Hunt, The behavior of solutions of ordinary, self-adjoint differential equations of arbitrary even order	Harry Hochstadt, Fourier series with linearly dependent coefficients 92	
ential equations of arbitrary even order	Kenneth Hoffman and John Wermer, A characterization of $C(X)$	41
Edward T. Kobayashi, A remark on the Nijenhuis tensor	Robert W. Hunt, The behavior of solutions of ordinary, self-adjoint differ-	4 -
David London, On the zeros of the solutions of $w''(z) + p(z)w(z) = 0$		
G. R. MacLane and F. B. Ryan, On the radial limits of Blaschke products. 993 T. M. MacRobert, Evaluation of an E-function when three of its upper parameters differ by integral values. 999 Robert McKelvey, The spectra of minimal self-adjoint extensions of a symmetric operator. 1003 A. Olubummo, Operators of finite rank in a reflexive Banach space. 1023 David A. Pope, On the approximation of function spaces in the calculus of variations 1029 Bernard W. Roos and Ward C. Sangren, Three spectral theorems for a pair of singular first-order differential equations. 1047 Arthur A. Sagle, Simple Malcev algebras over fields of characteristic zero. 1057 Leo Sario, Meromorphic functions and comformal metrics on Riemann surfaces. 1079 Richard G. Swan, Factorization of polynomials over finite fields. 1099 S. C. Tang, Some theorems on the ratio of empirical distribution to the theoretical distribution. 1107 R. C. Thompson, Normal matrices and the normal basis in Abelian number fields. 1115 Howard G. Tucker, Absolute continuity of infinitely divisible distributions. 1125 Elliot Carl Weinberg, Completely distributive lattice-ordered groups. 1131 James Wells, A note on the primes in a Banach algebra of measures. 1139	David London On the rever of the relative of will be relative of will be relative of the relative of will be relative.	
T. M. MacRobert, Evaluation of an E-function when three of its upper parameters differ by integral values	C. P. MacLane and F. P. Prop. On the world-1 limits of \mathbb{R}^2 \mathbb{R}^2 \mathbb{R}^2 \mathbb{R}^2 \mathbb{R}^2 \mathbb{R}^2 \mathbb{R}^2 \mathbb{R}^2 \mathbb{R}^2	
parameters differ by integral values	T. M. MacDahert, Findle stiers of an Edward in the standard for the standa	JS
Robert McKelvey, The spectra of minimal self-adjoint extensions of a symmetric operator	narameters differ by integral values	aa
A. Olubummo, Operators of finite rank in a reflexive Banach space	Robert McKelvey The speetra of minimal self-adjoint entensions of a))
A. Olubummo, Operators of finite rank in a reflexive Banach space	summetric operator	03
David A. Pope, On the approximation of function spaces in the calculus of variations	A. Olubummo, Overators of finite rank in a reflexive Banach space 102	23
variations	David A. Pope, On the approximation of function spaces in the calculus of	
Bernard W. Roos and Ward C. Sangren, Three spectral theorems for a pair of singular first-order differential equations	variations	29
of singular first-order differential equations	Bernard W. Roos and Ward C. Sangren, Three spectral theorems for a pair	
Leo Sario, Meromorphic functions and comformal metrics on Riemann surfaces. 1079 Richard G. Swan, Factorization of polynomials over finite fields	of singular first-order differential equations	47
Richard G. Swan, Factorization of polynomials over finite fields	Arthur A. Sagle, Simple Malcev algebras over fields of characteristic zero105	57
S. C. Tang, Some theorems on the ratio of empirical distribution to the theoretical distribution	Leo Sario, Meromorphic functions and comformal metrics on Riemann surfaces. 107	79
theoretical distribution	Richard G. Swan, Factorization of polynomials over finite fields109	99
R. C. Thompson, Normal matrices and the normal basis in Abelian number fields. 1115 Howard G. Tucker, Absolute continuity of infinitely divisible distributions	S. C. Tang, Some theorems on the ratio of empirical distribution to the	
Howard G. Tucker, Absolute continuity of infinitely divisible distributions1125 Elliot Carl Weinberg, Completely distributive lattice-ordered groups1131 James Wells, A note on the primes in a Banach algebra of measures1139		
Elliot Carl Weinberg, Completely distributive lattice-ordered groups		
James Wells, A note on the primes in a Banach algebra of measures1139	Howard G. Tucker, Absolute continuity of infinitely divisible distributions112	25
James Wells, A note on the primes in a Banach algebra of measures	Elliot Carl Weinberg, Completely distributive lattice-ordered groups	31
H. C. Wiser, Decomposition and homogeneity of continua on a 2-manifold1145	James Wells, A note on the primes in a Banach algebra of measures113	39
	H. C. Wiser, Decomposition and homogeneity of continua on a 2-manifold114	15

PACIFIC JOURNAL OF MATHEMATICS

EDITORS

RALPH S. PHILLIPS Stanford University Stanford, California

M. G. Arsove University of Washington Seattle 5, Washington A. L. WHITEMAN

University of Southern California Los Angeles 7, California

LOWELL J. PAIGE
University of California
Los Angeles 24, California

ASSOCIATE EDITORS

E. F. BECKENBACH T. M. CHERRY D. DERRY M. OHTSUKA H. L. ROYDEN E. SPANIER E. G. STRAUS F. WOLF

SUPPORTING INSTITUTIONS

UNIVERSITY OF BRITISH COLUMBIA
CALIFORNIA INSTITUTE OF TECHNOLOGY
UNIVERSITY OF CALIFORNIA
MONTANA STATE UNIVERSITY
UNIVERSITY OF NEVADA
NEW MEXICO STATE UNIVERSITY
OREGON STATE UNIVERSITY
UNIVERSITY OF OREGON
OSAKA UNIVERSITY
UNIVERSITY OF SOUTHERN CALIFORNIA

STANFORD UNIVERSITY UNIVERSITY OF TOKYO UNIVERSITY OF UTAH WASHINGTON STATE UNIVERSITY UNIVERSITY OF WASHINGTON

AMERICAN MATHEMATICAL SOCIETY CALIFORNIA RESEARCH CORPORATION SPACE TECHNOLOGY LABORATORIES NAVAL ORDNANCE TEST STATION

Mathematical papers intended for publication in the *Pacific Journal of Mathematics* should be typewritten (double spaced), and the author should keep a complete copy. Manuscripts may be sent to any one of the four editors. All other communications to the editors should be addressed to the managing editor, L. J. Paige at the University of California, Los Angeles 24, California.

50 reprints per author of each article are furnished free of charge; additional copies may be obtained at cost in multiples of 50.

The *Pacific Journal of Mathematics* is published quarterly, in March, June, September, and December. Effective with Volume 13 the price per volume (4 numbers) is \$18.00; single issues, \$5.00. Special price for current issues to individual faculty members of supporting institutions and to individual members of the American Mathematical Society: \$8.00 per volume; single issues \$2.50. Back numbers are available.

Subscriptions, orders for back numbers, and changes of address should be sent to Pacific Journal of Mathematics, 103 Highland Boulevard, Berkeley 8, California.

Printed at Kokusai Bunken Insatsusha (International Academic Printing Co., Ltd.), No. 6, 2-chome, Fujimi-cho, Chiyoda-ku, Tokyo, Japan.

PUBLISHED BY PACIFIC JOURNAL OF MATHEMATICS, A NON-PROFIT CORPORATION

The Supporting Institutions listed above contribute to the cost of publication of this Journal,
but they are not owners or publishers and have no responsibility for its content or policies.