

SUBJECT INDEX

ε -Factor of a character		Beurling algebras	
On counting twists of a character appearing in its associated Weil representation	1	Multipliers of weighted semigroups and associated Beurling Banach algebras	417
φ -Analytic vector fields		Bloch type space	
Real hypersurfaces of a complex projective space	171	Composition operators between Bloch type spaces and Zygmund spaces in the unit ball	327
Admissible representation of $GL(2, F)$		Composition operator	
On counting twists of a character appearing in its associated Weil representation	1	Composition operators between Bloch type spaces and Zygmund spaces in the unit ball	327
Affine algebraic group		Convection	
Principal bundles whose restrictions to a curve are isomorphic	165	On the existence of hydrodynamic instability in single diffusive bottom heavy systems with permeable boundaries	495
Almost sure central limit theorem		Convex sets	
An almost sure central limit theorem for the weight function sequences of NA random variables	369	Bias expansion of spatial statistics and approximation of differenced lattice point counts	229
Almost sure local central limit theorem		Dicritical	
The almost sure local central limit theorem for the product of partial sums	217	Existence of dicritical divisors revisited	267
Area approximations		Difference equations	
Bias expansion of spatial statistics and approximation of differenced lattice point counts	229	Periodic and subharmonic solutions for second order p -Laplacian difference equations	457
Automorphism		Difference polynomial	
Test rank of an abelian product of a free Lie algebra and a free abelian Lie algebra	291	Uniqueness and zeros of q -shift difference polynomials	301
Automorphism group		Diophantine equations	
Semisimple metacyclic group algebras	379	On diophantine equations of the form $(x-a_1)(x-a_2) \dots (x-a_k) + r = y^n$	245
Banach g -frames		Dirichlet problem	
Fusion frames and G -frames in Banach spaces	155	A note on existence and stability of solutions for semilinear Dirichlet problems	201
Betti numbers			
Deficiently extremal Gorenstein algebras	259		

- Discrete variational theory
 - Periodic and subharmonic solutions for second order p -Laplacian difference equations 457
- Domain decomposition
 - Overlapping domain decomposition methods for elliptic quasi-variational inequalities related to impulse control problem with mixed boundary conditions 481
- Dual equation
 - On the uniqueness of the solution of dual equation of a singular Sturm–Liouville problem 469
- Dual variational method
 - A note on existence and stability of solutions for semilinear Dirichlet problems 201
- Enrique–Severi
 - Principal bundles whose restrictions to a curve are isomorphic 165
- Erdős–Selfridge
 - On diophantine equations of the form $(x-a_1)(x-a_2) \dots (x-a_k) + r = y^n$ 245
- Error analysis
 - Overlapping domain decomposition methods for elliptic quasi-variational inequalities related to impulse control problem with mixed boundary conditions 481
- Existence of solutions
 - A note on existence and stability of solutions for semilinear Dirichlet problems 201
- Extremal algebras
 - Deficiently extremal Gorenstein algebras 259
- Extremally disconnected
 - Reduced multiplication modules 121
- Finite group
 - On the normal subgroup with coprime G -conjugacy class sizes 397
- Fixed point
 - Fixed points of IA -endomorphisms of a free metabelian Lie algebra 405
- Frame
 - Approximation of the inverse G -frame operator 143
- Free Lie algebras
 - Test rank of an abelian product of a free Lie algebra and a free abelian Lie algebra 291
- Free metabelian Lie algebra
 - Fixed points of IA -endomorphisms of a free metabelian Lie algebra 405
- Frobenius group
 - On the normal subgroup with coprime G -conjugacy class sizes 397
- Function of analytic type
 - On conformal minimal 2-spheres in complex Grassmann manifold $G(2, n)$ 181
- Fusion frames
 - Fusion frames and G -frames in Banach spaces 155
- G -associated ideals
 - Group graded associated ideals with flat base change of rings and short exact sequences 111
- Gaussian curvature
 - On conformal minimal 2-spheres in complex Grassmann manifold $G(2, n)$ 181
- G -conjugacy class size
 - On the normal subgroup with coprime G -conjugacy class sizes 397
- Generalized semicharacters
 - Multipliers of weighted semigroups and associated Beurling Banach algebras 417
- Geometric quantization
 - Quillen bundle and geometric pre-quantization of non-abelian vortices on a Reimann surface 27
- Geometrical convergence
 - Overlapping domain decomposition methods for elliptic quasi-variational inequalities related to impulse control problem with mixed boundary conditions 481

- g*-Frame
 - Approximation of the inverse *g*-frame operator 143
- g*-Frame operator
 - Approximation of the inverse *g*-frame operator 143
- g*-Frames
 - Fusion frames and *g*-frames in Banach spaces 155
- g*-Functions
 - On *g*-functions for Laguerre function expansions of Hermite type 45
- Graded module
 - Group graded associated ideals with flat base change of rings and short exact sequences 111
- Graded ring
 - Group graded associated ideals with flat base change of rings and short exact sequences 111
- Group action
 - Nonsmoothable involutions on spin 4-manifolds 37
- Hamilton Jacobi equation
 - Value functions for certain class of Hamilton Jacobi equations 349
- Hydrodynamic instability
 - On the existence of hydrodynamic instability in single diffusive bottom heavy systems with permeable boundaries 495
- Hypersurface
 - On hypersurfaces with two distinct principal curvatures in space forms 435
- Immigration
 - Analysis of a malaria model with mosquito-dependent transmission coefficient for humans 93
- Impulse control
 - Overlapping domain decomposition methods for elliptic quasi-variational inequalities related to impulse control problem with mixed boundary conditions 481
- Increasing domain
 - Bias expansion of spatial statistics and approximation of differenced lattice point counts 229
- Infill sampling
 - Bias expansion of spatial statistics and approximation of differenced lattice point counts 229
- Infinite product
 - On the uniqueness of the solution of dual equation of a singular Sturm–Liouville problem 469
- Invariant subspaces
 - A classification of cubic symmetric graphs of order $16p^2$ 249
- Inverse problem
 - On the uniqueness of the solution of dual equation of a singular Sturm–Liouville problem 469
- Involution
 - Nonsmoothable involutions on spin 4-manifolds 37
- Irreducibility
 - Irreducible multivariate polynomials obtained from polynomials in fewer variables, II 133
- Irreducible
 - On counting twists of a character appearing in its associated Weil representation 1
- Isotropic measure
 - On the L_p affine isoperimetric inequalities 447
- Jacobian equation
 - Existence of solution of the pullback equation involving volume forms 339
- Jacobi-type vector fields
 - Real hypersurfaces of a complex projective space 171
- Kähler angle
 - On conformal minimal 2-spheres in complex Grassmann manifold $G(2, n)$ 181

- L_p -Petty projection inequality
 - On the L_p affine isoperimetric inequalities 447
- Lacunary Fourier series
 - Lacunary Fourier series and a qualitative uncertainty principle for compact Lie groups 77
- Laguerre function expansions
 - On g -functions for Laguerre function expansions of Hermite type 45
- Lattice data
 - Bias expansion of spatial statistics and approximation of differenced lattice point counts 229
- Lie algebra
 - Fixed points of IA -endomorphisms of a free metabelian Lie algebra 405
- Line bundle
 - Projective normality of Weyl group quotients 19
- Linearized stability
 - On critical exponent for the existence and stability properties of positive weak solutions for some nonlinear elliptic systems involving the (p, q) -Laplacian and indefinite weight function 83
- Locally linear
 - Nonsmoothable involutions on spin 4-manifolds 37
- Mean curvature
 - Real hypersurfaces of a complex projective space 171
 - On hypersurfaces with two distinct principal curvatures in space forms 435
- Meromorphic function
 - Uniqueness and zeros of q -shift difference polynomials 301
- Minimal prime submodule
 - Reduced multiplication modules 121
- Minimal resolutions
 - Deficiently extremal Gorenstein algebras 259
- Minimizing paths
 - Value functions for certain class of Hamilton Jacobi equations 349
- Multiplication module
 - Reduced multiplication modules 121
- Multipliers on a semigroup
 - Multipliers of weighted semigroups and associated Beurling Banach algebras 417
- NA random variables
 - An almost sure central limit theorem for the weight function sequences of NA random variables 369
- Noetherian ring
 - Group graded associated ideals with flat base change of rings and short exact sequences 111
- Nonarchimedean absolute value
 - Irreducible multivariate polynomials obtained from polynomials in fewer variables, II 133
- Nonarchimedean local field
 - On counting twists of a character appearing in its associated Weil representation 1
- Nonlinear elliptic system
 - On critical exponent for the existence and stability properties of positive weak solutions for some nonlinear elliptic systems involving the (p, q) -Laplacian and indefinite weight function 83
- Nonsmoothable
 - Nonsmoothable involutions on spin 4-manifolds 37
- Normal projective variety
 - Principal bundles whose restrictions to a curve are isomorphic 165
- Normal subgroup
 - On the normal subgroup with coprime G -conjugacy class sizes 397
- Normal varieties
 - Existence of dicritical divisors revisited 267
- Number of characters appearing in its restriction
 - On counting twists of a character appearing in its associated Weil representation 1

- Parabolic subgroup
 - Principal bundles whose restrictions to a curve are isomorphic 165
- Partial sum
 - The almost sure local central limit theorem for the product of partial sums 217
- Periodic and subharmonic solutions
 - Periodic and subharmonic solutions for second order p -Laplacian difference equations 457
- Permeable
 - On the existence of hydrodynamic instability in single diffusive bottom heavy systems with permeable boundaries 495
- Perturbation
 - Fusion frames and G -frames in Banach spaces 155
- p -Isoperimetric inequality
 - On the L_p affine isoperimetric inequalities 447
- p -Laplacian
 - Periodic and subharmonic solutions for second order p -Laplacian difference equations 457
- Polarizations
 - Projective normality of Weyl group quotients 19
- Primitive central idempotents
 - Semisimple metacyclic group algebras 379
- Principal bundles
 - Principal bundles whose restrictions to a curve are isomorphic 165
- Principal curvature
 - On hypersurfaces with two distinct principal curvatures in space forms 435
- Product
 - The almost sure local central limit theorem for the product of partial sums 217
- Projection method
 - Approximation of the inverse g -frame operator 143
- Pullback equation
 - Existence of solution of the pullback equation involving volume forms 339
- q -Shift
 - Uniqueness and zeros of q -shift difference polynomials 301
- Quasi-variational inequalities
 - Overlapping domain decomposition methods for elliptic quasi-variational inequalities related to impulse control problem with mixed boundary conditions 481
- Quillen's determinant bundle
 - Quillen bundle and geometric prequantization of non-abelian vortices on a Riemann surface 27
- Real hyperbolic spaces
 - Spherical means in annular regions in the n -dimensional real hyperbolic spaces 311
- Real hypersurfaces
 - Real hypersurfaces of a complex projective space 171
- Reduced module
 - Reduced multiplication modules 121
- Reductive
 - Principal bundles whose restrictions to a curve are isomorphic 165
- Regular coverings
 - A classification of cubic symmetric graphs of order $16p^2$ 249
- Reservoir class of humans
 - Analysis of a malaria model with mosquito-dependent transmission coefficient for humans 93
- Ricci curvature
 - Real hypersurfaces of a complex projective space 171
- Semisimple group algebra
 - Semisimple metacyclic group algebras 379
- Shape operator
 - Real hypersurfaces of a complex projective space 171
- Singularity
 - On the uniqueness of the solution of dual equation of a singular Sturm–Liouville problem 469

- Space forms
 - On hypersurfaces with two distinct principal curvatures in space forms 435
- Spatial covariance
 - Bias expansion of spatial statistics and approximation of differenced lattice point counts 229
- Spatial processes
 - Bias expansion of spatial statistics and approximation of differenced lattice point counts 229
- Special pencils
 - Existence of dicritical divisors revisited 267
- Specific heat
 - On the existence of hydrodynamic instability in single diffusive bottom heavy systems with permeable boundaries 495
- Spherical harmonics
 - Spherical means in annular regions in the n -dimensional real hyperbolic spaces 311
- Spherical means
 - Spherical means in annular regions in the n -dimensional real hyperbolic spaces 311
- Stability of solutions
 - A note on existence and stability of solutions for semilinear Dirichlet problems 201
- Stanley–Reisner rings
 - Deficiently extremal Gorenstein algebras 259
- Structure group
 - Principal bundles whose restrictions to a curve are isomorphic 165
- Sturm–Liouville problem
 - On the uniqueness of the solution of dual equation of a singular Sturm–Liouville problem 469
- Sub-super solution
 - On critical exponent for the existence and stability properties of positive weak solutions for some nonlinear elliptic systems involving the (p, q) -Laplacian and indefinite weight function 83
- Symmetric graphs
 - A classification of cubic symmetric graphs of order $16p^2$ 249
- Symplectic quotient
 - Quillen bundle and geometric pre-quantization of non-abelian vortices on a Riemann surface 27
- Test elements
 - Test rank of an abelian product of a free Lie algebra and a free abelian Lie algebra 291
- Test rank
 - Test rank of an abelian product of a free Lie algebra and a free abelian Lie algebra 291
- Test sets
 - Test rank of an abelian product of a free Lie algebra and a free abelian Lie algebra 291
- Transmission coefficient for humans
 - Analysis of a malaria model with mosquito-dependent transmission coefficient for humans 93
- Uncertainty principles
 - Lacunary Fourier series and a qualitative uncertainty principle for compact Lie groups 77
- Unipotent radical
 - Principal bundles whose restrictions to a curve are isomorphic 165
- Unique uniform norm property
 - Multipliers of weighted semigroups and associated Beurling Banach algebras 417
- Uniqueness
 - Uniqueness and zeros of q -shift difference polynomials 301
- Value function
 - Value functions for certain class of Hamilton Jacobi equations 349
- Vector bundle
 - Principal bundles whose restrictions to a curve are isomorphic 165

- Vector-valued Calderon–Zygmund operators
 - On g -functions for Laguerre function expansions of Hermite type 45
- Very ample invertible sheaf
 - Principal bundles whose restrictions to a curve are isomorphic 165
- Viscosity solution
 - Value functions for certain class of Hamilton Jacobi equations 349
- Volume forms
 - Existence of solution of the pullback equation involving volume forms 339
- Weyl's character formula
 - Lacunary Fourier series and a qualitative uncertainty principle for compact Lie groups 77
- Weighted semigroup
 - Multipliers of weighted semigroups and associated Beurling Banach algebras 417
- Weil representation
 - On counting twists of a character appearing in its associated Weil representation 1
- Weyl's character formula
 - Lacunary Fourier series and a qualitative uncertainty principle for compact Lie groups 77
- Zariski topology
 - Reduced multiplication modules 121
- Zero order
 - Uniqueness and zeros of q -shift difference polynomials 301
- Zygmund space
 - Composition operators between Bloch type spaces and Zygmund spaces in the unit ball 327
- Wedderburn decomposition
 - Semisimple metacyclic group algebras 379
- Weight function sequence
 - An almost sure central limit theorem for the weight function sequences of NA random variables 369