

SUBJECT INDEX

- Analytic functions
 - How to recover an L -series from its values at almost all positive integers. Some remarks on a formula of Ramanujan 121
- Arveson
 - A quantum spin system with random interactions I 347
- Asymptotic behaviour
 - Oscillations of first order difference equations 147
- Bénard convection
 - Suppression of instability in rotatory hydro-magnetic convection 335
- Betti numbers
 - Poincaré polynomial of the moduli spaces of parabolic bundles 233
- Biunitarity
 - Connections for small vertex models 35
- Blaschke manifold
 - An intrinsic approach to Lichnerowicz conjecture 27
- Blast wave
 - An approximate solution for spherical and cylindrical piston problem 103
- Boolean rings
 - RRF rings which are not LRF 133
- Bratteli diagrams
 - The algebra of G -relations 263
- C^0 approximation
 - Construction of 'Wachspress type' rational basis functions over rectangles 69
- Caustic
 - An asymptotic derivation of weakly non-linear ray theory 431
- Cohomology
 - Poincaré polynomial of the moduli spaces of parabolic bundles 233
- Compact rank one symmetric spaces
 - An intrinsic approach to Lichnerowicz conjecture 27
- Compatibility conditions
 - An approximate solution for spherical and cylindrical piston problem 103
- Completely monotone multisequences
 - Completely monotone multisequences, symmetric probabilities and a normal limit theorem 415
- Conservative matrix
 - On (N, p, q) summability factors of infinite series 61
- Continuity
 - C^2 -rational cubic spline involving tension parameters 305
- Continuous symmetrization
 - Continuous rearrangement and symmetry of solutions of elliptic problems 157
- Contour integrals
 - How to recover an L -series from its values at almost all positive integers. Some remarks on a formula of Ramanujan 121
- Convexity
 - C^2 -rational cubic spline involving tension parameters 305
- Difference equation
 - Oscillations of first order difference equations 147
- Direct heuristic algorithm for linear programming
 - A direct heuristic algorithm for linear programming 79
- Dirichlet-type integral
 - Continuous rearrangement and symmetry of solutions of elliptic problems 157
- Disconjugacy
 - Oscillations of first order difference equations 147
- Dynamic programming principle
 - Formula for a solution of $u_t + H(u, Du) = g$ 393
- Dynamics
 - A quantum spin system with random interactions I 347
- Equivalence relations
 - The algebra of G -relations 263
- Evolution
 - A quantum spin system with random interactions I 347
- Exchangeable probabilities
 - Coin tossing and Laplace inversion 315
- Expected number of cancerous cells
 - Differential equations related to the Williams-Bjerknes tumour model 323
- Galilean transformation
 - Steady-state response of a micropolar generalized thermoelastic half-space to the moving mechanical/thermal loads 449
- Generalized functions
 - Hyperfinite representation of distributions 363

- Generalized functions (distributions)
 On the generalized Hankel–Clifford transformation of arbitrary order 293
- Generalized Hankel–Clifford transformation
 On the generalized Hankel–Clifford transformation of arbitrary order 293
- Generalized thermoelasticity
 Steady-state response of a micropolar generalized thermoelastic half-space to the moving mechanical/thermal loads 449
- G -relations
 The algebra of G -relations 263
- Hamilton–Jacobi equation
 Formula for a solution of $u_t + H(u, Du) = g$ 393
- Harmonic manifolds
 An intrinsic approach to Lichnerowicz conjecture 1
- Hydrodynamic instability
 Suppression of instability in rotatory hydro-magnetic convection 335
- Hydromagnetic instability
 Suppression of instability in rotatory hydro-magnetic convection 335
- Hyperbolic equations
 An asymptotic derivation of weakly nonlinear ray theory 431
- Hyperfinite representations
 Hyperfinite representation of distributions 363
- Hyperfinite sums
 Sampling and Π -sampling expansions 379
- Independent
 A quantum spin system with random interactions I 347
- Inequalities
 Inequalities for a polynomial and its derivative 137
- Injective hulls
 RRF rings which are not LRF 133
- Integral inequality
 Continuous rearrangement and symmetry of solutions of elliptic problems 157
- Integrodifferential equation
 Existence of solutions of nonlinear integro-differential equations of Sobolev type with nonlocal condition in Banach spaces 225
- Interior-point methods
 A direct heuristic algorithm for linear programming 79
- Intermediate Jacobian
 Intermediate Jacobians and Hodge structures of moduli spaces 1
- Interpolation
 C^2 -rational cubic spline involving tension parameters 305
- Interpolation formulas
 How to recover an L -series from its values at almost all positive integers. Some remarks on a formula of Ramanujan 121
- Isometry
 Diameter preserving linear maps and isometries, II 205
- Jacobi differential equation
 An intrinsic approach to Lichnerowicz conjecture 27
- KKM–Fan lemma
 On vector equilibrium problem 213
- KMS
 A quantum spin system with random interactions I 347
- Korovkin theorem
 Weighted approximation of continuous functions by sequences of linear positive operators 357
- Laplace inversion
 Coin tossing and Laplace inversion 315
- Left norm continuous
 Transformation semigroup compactifications and norm continuity of weakly almost periodic functions 55
- L -functions
 How to recover an L -series from its values at almost all positive integers. Some remarks on a formula of Ramanujan 121
- Linear preserver problem
 Diameter preserving linear maps and isometries, II 205
- Mach numbers
 Steady-state response of a micropolar generalized thermoelastic half-space to the moving mechanical/thermal loads 449
- Mean curvature
 An intrinsic approach to Lichnerowicz conjecture 27
- Micropolar
 Steady-state response of a micropolar generalized thermoelastic half-space to the moving mechanical/thermal loads 449
- Mixed Hodge structure
 Intermediate Jacobians and Hodge structures of moduli spaces 1
- Moduli space
 Poincaré polynomial of the moduli spaces of parabolic bundles 233
- Moment problem
 Coin tossing and Laplace inversion 315
- Moment spaces
 Completely monotone multisequences, symmetric probabilities and a normal limit theorem 415

- Monotonicity
 - C^2 -rational cubic spline involving tension parameters 305
- Nice embeddings
 - An intrinsic approach to Lichnerowicz conjecture 27
- Nonlinear wave propagation
 - An asymptotic derivation of weakly nonlinear ray theory 431
- Nonlocal condition
 - Existence of solutions of nonlinear integro-differential equations of Sobolev type with nonlocal condition in Banach spaces 225
- Non-oscillation
 - Oscillations of first order difference equations 147
- Nonstandard analysis
 - Hyperfinite representation of distributions 363
 - Sampling and Π -sampling expansions 379
- Normal limit
 - Completely monotone multisequences, symmetric probabilities and a normal limit theorem 415
- Optimality test
 - A direct heuristic algorithm for linear programming 79
- Oscillation
 - Oscillations of first order difference equations 147
- Oscillatory perturbations
 - Suppression of instability in rotatory hydro-magnetic convection 335
- Parabolic vector bundles
 - Poincaré polynomial of the moduli spaces of parabolic bundles 233
- Parseval relation
 - On the generalized Hankel–Clifford transformation of arbitrary order 293
- p -Inverse
 - A direct heuristic algorithm for linear programming 79
- P -maximum monotonicity
 - On vector equilibrium problem 213
- P -monotone and P -convex mappings
 - On vector equilibrium problem 213
- Polynomial
 - Inequalities for a polynomial and its derivative 137
- Positive linear operators
 - Weighted approximation of continuous functions by sequences of linear positive operators 357
- Quasi-local
 - A quantum spin system with random interactions I 347
- Random
 - A quantum spin system with random interactions I 347
- Rational basis functions
 - Construction of ‘Wachspress type’ rational basis functions over rectangles 69
- Rational spline
 - C^2 -rational cubic spline involving tension parameters 305
- Ray theory
 - An asymptotic derivation of weakly nonlinear ray theory 431
- Residual finiteness
 - RRF rings which are not LRF 133
- Revised simplex algorithm
 - A direct heuristic algorithm for linear programming 79
- Ricci curvature
 - An intrinsic approach to Lichnerowicz conjecture 27
- Sampling expansions
 - Sampling and Π -sampling expansions 379
- Schauder’s fixed point theorem
 - Existence of solutions of nonlinear integro-differential equations of Sobolev type with nonlocal condition in Banach spaces 225
- Schwartz distributions
 - Hyperfinite representation of distributions 363
- Semilinear elliptic problem
 - Continuous rearrangement and symmetry of solutions of elliptic problems 157
- Shock dynamics
 - An approximate solution for spherical and cylindrical piston problem 103
- Simple modules
 - RRF rings which are not LRF 133
- Simplex space
 - Diameter preserving linear maps and isometries, Π 205
- Slow rotation
 - Slow rotation of a sphere with source at its centre in a viscous fluid 117
- Sobolev type
 - Existence of solutions of nonlinear integro-differential equations of Sobolev type with nonlocal condition in Banach spaces 225
- Special values
 - How to recover an L -series from its values at almost all positive integers. Some remarks on a formula of Ramanujan 121

- Spin
 - A quantum spin system with random interactions I 347
- Steady-state response
 - Steady-state response of a micropolar generalized thermoelastic half-space to the moving mechanical/thermal loads 449
- Subfactor
 - Connections for small vertex models 35
- Summability factors
 - On (N, p, q) summability factors of infinite series 61
- Symmetry of the solution
 - Continuous rearrangement and symmetry of solutions of elliptic problems 157
- System
 - A quantum spin system with random interactions I 347
- Tension parameter
 - C^2 -rational cubic spline involving tension parameters 305
- Transformation semigroup
 - Transformation semigroup compactifications and norm continuity of weakly almost periodic functions 55
- Uniformly continuous semigroup
 - Existence of solutions of nonlinear integro-differential equations of Sobolev type with nonlocal condition in Banach spaces 225
- Vector bundle
 - Intermediate Jacobians and Hodge structures of moduli spaces 1
- Vector equilibrium problem
 - On vector equilibrium problem 213
- Vertex model
 - Connections for small vertex models 35
- Viscosity sub and super solutions
 - Formula for a solution of $u_t + H(u, Du) = g$ 393
- Viscous fluid
 - Slow rotation of a sphere with source at its centre in a viscous fluid 117
- Weak shock propagation
 - An approximate solution for spherical and cylindrical piston problem 103
- Weakly almost periodic
 - Transformation semigroup compactifications and norm continuity of weakly almost periodic functions 55
- Weight functions
 - Weighted approximation of continuous functions by sequences of linear positive operators 357
- Weighted spaces
 - Weighted approximation of continuous functions by sequences of linear positive operators 357
- Weil conjectures
 - Poincaré polynomial of the moduli spaces of parabolic bundles 233
- Williams–Bjerknes tumour model
 - Differential equations related to the Williams–Bjerknes tumour model 323
- WKS sampling theorem
 - Sampling and Π -sampling expansions 379
- Zeros
 - Inequalities for a polynomial and its derivative 137