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2001年

- 陈永川, Galbraith HW, Louck JD, Angular momentum theory, umbral calculus, and combinatorics, COMPUTERS & MATHEMATICS WITH APPLICATIONS 41 (9): 1199-1214 MAY 2001
- 陈永川, Guo VJW, Bijections behind the Ramanujan polynomials, ADVANCES IN APPLIED MATHEMATICS 27 (2-3): 336-356 AUG-OCT 2001
- Han XC, Xu XY, 李学良, et al., Synthesis and solid-state reaction of 1-[3'-(benzotriazol-2''-yl)-4'-hydroxybenzoyl]-3-methyl-5-pyrazolones, CHINESE JOURNAL OF CHEMISTRY 19 (4): 398-403 APR 2001
- 方复全, Rong XC, Curvature, diameter, homotopy groups, and cohomology rings, DUKE MATHEMATICAL JOURNAL 107 (1): 135-158 MAR 1 2001
- 方复全, Smooth group actions on 4-manifolds and Seiberg-Witten theory, DIFFERENTIAL GEOMETRY AND ITS APPLICATIONS 14 (1): 1-14 JAN 2001
- 方复全, Equifocal hypersurfaces in symmetric spaces, CHINESE ANNALS OF MATHEMATICS SERIES B 21 (4): 473-478 OCT 2000
- Sun YJ, Wu SP, 龙以明, Combined effects of singular and superlinear nonlinearities in some singular boundary value problems, JOURNAL OF DIFFERENTIAL EQUATIONS 176 (2): 511-531 NOV 1 2001
- 龙以明, 朱朝锋, Differentiable structure of omega-subsets of symplectic groups, SCIENCE IN CHINA SERIES A-MATHEMATICS PHYSICS ASTRONOMY 44 (5): 545-554 MAY 2001
- 冯惠涛, Guo EL, Novikov-type inequalities for vector fields with non-isolated zero points, PACIFIC JOURNAL OF MATHEMATICS 201 (1): 107-120 NOV 2001
- 冯惠涛, Hu WC, 张伟平, A family quantization formula for symplectic manifolds with boundary, SCIENCE IN CHINA SERIES A-MATHEMATICS PHYSICS ASTRONOMY 44 (5): 599-609 MAY 2001
- Liu KF, Ma XN, 张伟平, On elliptic genera and foliations, MATHEMATICAL RESEARCH LETTERS 8 (3): 361-376 MAY 2001
- Bai CM, 孟道骥, Transitive Novikov algebras on four-dimensional nilpotent, Lie algebras INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS 40 (10): 1761-1768 OCT 2001
- Jiang CP, 孟道骥, Vertex representations for the v+1-toroidal Lie algebra of type B-I JOURNAL OF ALGEBRA 246 (2): 564-593 DEC 15 2001

- Ren B, 孟道骥, Some 2-step nilpotent Lie algebras I, LINEAR ALGEBRA AND ITS APPLICATIONS 338: 77-98 NOV 15 2001
- Bai CM, 孟道骥, The classification of Novikov algebras in low dimensions: invariant bilinear forms (vol 34, pg 1581, 2001), JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 34 (39): 8193-8197 OCT 5 2001
- Bai CM, 孟道骥, The realization of non-transitive Novikov algebras, JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 34 (33): 6435-6442 AUG 24 2001
- Zhu LS, 孟道骥, Quadratic Lie algebras and commutative associative algebras, COMMUNICATIONS IN ALGEBRA 29 (5): 2249-2268 2001
- Bai CM, 孟道骥, On the realization of transitive Novikov algebras, JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 34 (16): 3363-3372 APR 27 2001
- Bai CM, 孟道骥, The classification of Novikov algebras in low dimensions, JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 34 (8): 1581-1594 MAR 2 2001
- 梁科, 侯自新, Geometric orbit datum and orbit covers, SCIENCE IN CHINA SERIES A-MATHEMATICS PHYSICS ASTRONOMY 44 (11): 1413-1419 NOV 2001
- Deng SQ, 侯自新, The ideal of relations of a ring of highest weight vectors, ALGEBRA COLLOQUIUM 8 (3): 275-284 SEP 2001
- Deng SQ, 侯自新, Stability of certain rings of highest weight vectors, CHINESE ANNALS OF MATHEMATICS SERIES B 22 (1): 57-62 JAN 2001
- Chen LS, 符方伟, Wei VKW, On the constructions of highly nonlinear zigzag functions and unbiased functions, INFORMATION PROCESSING LETTERS 79 (3): 135-140 JUL 31 2001
- 符方伟, Klove T, Luo Y, et al., On the Svanstrom bound for ternary constant-weight codes, IEEE TRANSACTIONS ON INFORMATION THEORY 47 (5): 2061-2064 JUL 2001
- 符方伟, Wei VK, Yeung RW, On the minimum average distance of binary codes: linear programming approach, DISCRETE APPLIED MATHEMATICS 111 (3): 263-281 AUG 1 2001
- 符方伟, 沈世镒, An upper bound for binary constant weight codes, JOURNAL OF STATISTICAL PLANNING AND INFERENCE 94 (2): 197-203 Sp. Iss. SI APR 1 2001
- 符方伟, 沈世镒, On the nonperiodic cyclic equivalence classes of Hamming codes and BCH codes, JOURNAL OF STATISTICAL PLANNING AND INFERENCE 94 (2): 205-209 Sp. Iss. SI APR 1 2001
- Wang GJ, 吴荣, Distributions for the risk process with a stochastic return on investments, STOCHASTIC PROCESSES AND THEIR APPLICATIONS 95 (2): 329-341 OCT 2001
- 孙文昌, 周性伟, The convergence of sampling series based on multiresolution analysis, APPLIED MATHEMATICS LETTERS 14 (7): 897-901 OCT 2001
- Ye WZ, 周性伟, Convergence of symmetric weighted median filters, UTILITAS MATHEMATICA 59: 205-214 MAY 2001
- 孙文昌, 周性伟, On the stability of Gabor frames, ADVANCES IN APPLIED MATHEMATICS 26 (3): 181-191 APR 2001
- Ye WZ, 周性伟, Criteria of convergence of median filters and perturbation theorem, IEEE TRANSACTIONS ON SIGNAL PROCESSING 49 (2): 360-363 FEB 2001
- Lin L, 张润楚, Blockwise empirical Euclidean likelihood for weakly

- dependent processes, STATISTICS & PROBABILITY LETTERS 53 (2): 143-152 JUN 1 2001
- 张润楚, Shao Q, Minimum aberration (S-2) Sn-k designs, STATISTICA SINICA 11 (1): 213-223 JAN 2001
  - Yuen KC, 郭军义 Ruin probabilities for time-correlated claims in the compound binomial model INSURANCE MATHEMATICS & ECONOMICS 29 (1): 47-57 AUG 20 2001
  - 定光桂, On perturbations and extensions of isometric operators, TAIWANESE JOURNAL OF MATHEMATICS 5 (1): 109-115 MAR 2001
  - 定光桂, Small into-isomorphism from  $L$ -infinity( $A, \mu$ ) into  $L$ -infinity( $B, \epsilon$ ), SCIENCE IN CHINA SERIES A-MATHEMATICS PHYSICS ASTRONOMY 44 (3): 273-279 MAR 2001

<a href="#">2001年</a>	<a href="#">2002年</a>	<a href="#">2003年</a>	<a href="#">2004年</a>	<a href="#">重要专著</a>
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#### 2002年

- 陈永川, Li BQ, Louck JD, The flagged double Schur function, JOURNAL OF ALGEBRAIC COMBINATORICS 15 (1): 7-26 2002
- 方复全, Positively curved 6-manifolds with simple symmetry groups, ANAIS DA ACADEMIA BRASILEIRA DE CIENCIAS 74 (4): 589-597 DEC 2002
- 方复全, Rong XC, The second twisted Betti number and the convergence of collapsing Riemannian manifolds, INVENTIONES MATHEMATICAE 150 (1): 61-109 OCT 2002
- 方复全, Orientable 4-manifolds topologically embed into  $R$ -7, TOPOLOGY 41 (5): 927-930 SEP 2002
- 龙以明, Criterion for  $SL(2, Z)$ -matrix to be conjugate to its inverse, CHINESE ANNALS OF MATHEMATICS SERIES B 23 (4): 455-460 OCT 2002
- Liu CG, 龙以明, 朱朝锋, Multiplicity of closed characteristics on symmetric convex hypersurfaces in  $R$ -2n, MATHEMATISCHE ANNALEN 323 (2): 201-215 JUN 2002
- Hu XJ, 龙以明, Closed characteristics on non-degenerate star-shaped hypersurfaces in  $R$ -2n, SCIENCE IN CHINA SERIES A-MATHEMATICS PHYSICS ASTRONOMY 45 (8): 1038-1052 AUG 2002
- 龙以明, 朱朝锋, Closed characteristics on compact convex hypersurfaces in  $R$ -2n, ANNALS OF MATHEMATICS 155 (2): 317-368 MAR 2002
- Liu CG, 龙以明, Iterated index formulae for closed geodesics with applications, SCIENCE IN CHINA SERIES A-MATHEMATICS PHYSICS ASTRONOMY 45 (1): 9-28 JAN 2002
- 龙以明, Sun SZ, Four-body central configurations with some equal masses, ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS 162 (1): 25-44 MAR 2002
- 冯惠涛, Guo EL, A Hopf index theorem for a real vector bundle, CHINESE ANNALS OF MATHEMATICS SERIES B 23 (4): 507-518 OCT 2002
- Tang ZZ, 张伟平, A generalization of the Atiyah-Dupont vector fields theory, COMMUNICATIONS IN CONTEMPORARY MATHEMATICS 4 (4): 777-796 NOV 2002
- 侯庆虎, Sun ZW, Restricted sums in a field, ACTA ARITHMETICA 102 (3): 239-249 2002
- Gao YC, 孟道骥, Complete Lie algebras with 1-step nilpotent radicals, CHINESE ANNALS OF MATHEMATICS SERIES B 23 (4): 545-550 OCT 2002

- Bai CM, 孟道骥, He LG, On fermionic Novikov algebras, JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 35 (47): 10053-10063 NOV 29 2002
- Wang LY, 孟道骥, Some results on complete Lie superalgebras, LINEAR ALGEBRA AND ITS APPLICATIONS 355: 1-14 NOV 1 2002
- Yang MS, 孟道骥, Dipolarizations in quadratic Lie algebras and homogeneous parakahler manifolds, JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 35 (30): 6495-6503 AUG 2 2002
- Zhu LS, 孟道骥, Uniqueness of the decomposition of Lie superalgebras and quadratic Lie superalgebras, SCIENCE IN CHINA SERIES A-MATHEMATICS PHYSICS ASTRONOMY 45 (3): 273-279 MAR 2002
- Bai CM, 孟道骥, Bilinear forms on Novikov algebras, INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS 41 (3): 495-502 MAR 2002
- Bai CM, 孟道骥, Left-symmetric algebras and complete Lie algebras, COMMUNICATIONS IN ALGEBRA 30 (2): 1001-1015 2002
- Deng SQ, 侯自新, The group of isometries of a Finsler space, PACIFIC JOURNAL OF MATHEMATICS 207 (1): 149-155 NOV 2002
- 梁科, 侯自新, Lu LY, On sheets of orbit covers for classical semisimple Lie groups, SCIENCE IN CHINA SERIES A-MATHEMATICS PHYSICS ASTRONOMY 45 (2): 155-164 FEB 2002
- Ding CS, 符方伟, Klove T, et al. Constructions of permutation arrays, IEEE TRANSACTIONS ON INFORMATION THEORY 48 (4): 977-980 APR 2002
- 沈世镒, Yang J, Yao A, et al., Super Pairwise Alignment (SPA): An efficient approach to global alignment for homologous sequences, JOURNAL OF COMPUTATIONAL BIOLOGY 9 (3): 477-486 2002
- Zhang CS, 吴荣, Total duration of negative surplus for the compound Poisson process that is perturbed by diffusion, JOURNAL OF APPLIED PROBABILITY 39 (3): 517-532 SEP 2002
- Wei L, 吴荣, The joint distributions of several important actuarial diagnostics in the classical risk model, INSURANCE MATHEMATICS & ECONOMICS 30 (3): 451-462 JUN 20 2002
- 胡建伟, Wang CH, Rate of convergence of Schwarz alternating method for time-dependent convection-diffusion problem, JOURNAL OF COMPUTATIONAL MATHEMATICS 20 (5): 479-490 SEP 2002
- 孙文昌, 周性伟, Irregular sampling for multivariate band-limited functions, SCIENCE IN CHINA SERIES A-MATHEMATICS PHYSICS ASTRONOMY 45 (12): 1548-1556 DEC 2002
- 孙文昌, 周性伟, Reconstruction of band-limited signals from local averages, IEEE TRANSACTIONS ON INFORMATION THEORY 48 (11): 2955-2963 NOV 2002
- 孙文昌, 周性伟, Irregular wavelet/Gabor frames, APPLIED AND COMPUTATIONAL HARMONIC ANALYSIS 13 (1): 63-76 JUL 2002
- 孙文昌, 周性伟, Reconstruction of band-limited functions from local averages, CONSTRUCTIVE APPROXIMATION 18 (2): 205-222 2002
- 孙文昌, 周性伟, Irregular Gabor frames and their stability, PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY 131 (9): 2883-2893 2002
- 孙文昌, 周性伟, Average sampling in spline subspaces, APPLIED MATHEMATICS LETTERS 15 (2): 233-237 FEB 2002

- Lin L, 张润楚, Profile quasi-likelihood, STATISTICS & PROBABILITY LETTERS 56 (2): 147-154 JAN 15 2002
- Wu CJ, Zhao Y, 王兆军, The median absolute deviations and their applications to Shewhart (X)over-bar control charts, COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION 31 (3): 425-442 2002
- Yuen KC, 郭军义, Wu XY, On a correlated aggregate claims model with Poisson and Erlang risk processes, INSURANCE MATHEMATICS & ECONOMICS 31 (2): 205-214 OCT 18 2002
- 王永进, An alternative approach to super-Brownian motion with a locally infinite branching mass, STOCHASTIC PROCESSES AND THEIR APPLICATIONS 102 (2): 221-233 DEC 2002
- 林金坤, New families in the stable homotopy of spheres revisited, ACTA MATHEMATICA SINICA-ENGLISH SERIES 18 (1): 95-106 JAN 2002
- 定光桂, On the boundedness of spheres in  $F^*$ -spaces, ACTA MATHEMATICA SCIENTIA 22 (4): 500-506 OCT 2002
- 定光桂, The 1-Lipschitz mapping between the unit spheres of two Hilbert spaces can be extended to a real linear isometry of the whole space, SCIENCE IN CHINA SERIES A-MATHEMATICS PHYSICS ASTRONOMY 45 (4): 479-483 APR 2002
- 金应烈, Tazawa S, Shirakura T, Enumeration of connected graphs with cut vertices, JOURNAL OF STATISTICAL PLANNING AND INFERENCE 106 (1-2): 409-418 AUG 1 2002

[2001年](#)

[2002年](#)

[2003年](#)

[2004年](#)

[重要专著](#)

2003年

- 陈永川, 侯庆虎, Lascoux A, An involution for the Gauss identity, JOURNAL OF COMBINATORIAL THEORY SERIES A 102 (2): 309-320 MAY 2003
- 陈永川, Fu AM, Zhang BY, The homogeneous  $q$ -difference operator, ADVANCES IN APPLIED MATHEMATICS 31 (4): 659-668 NOV 2003
- 李学良, Wang LS, Solutions for two conjectures on the inverse problem of the Wiener index of peptoids, SIAM JOURNAL ON DISCRETE MATHEMATICS 17 (2): 210-218 2003
- 李学良, Neumann-Lara V, Rivera-Campo E, On a tree graph defined by a set of cycles, DISCRETE MATHEMATICS 271 (1-3): 303-310 SEP 28 2003
- 李学良, Zhao HX, Wang LS, A complete solution to a conjecture on the beta-polynomials of graphs, JOURNAL OF MATHEMATICAL CHEMISTRY 33 (3-4): 189-193 MAY 2003
- 李学良, Li ZM, Wang LS, The inverse problems for some topological indices in combinatorial chemistry, JOURNAL OF COMPUTATIONAL BIOLOGY 10 (1): 47-55 FEB 2003
- 侯庆虎, Mu YP, Recurrent sequences and Schur functions, ADVANCES IN APPLIED MATHEMATICS 31 (1): 150-162 JUL 2003
- 扶磊, Wan DQ, Total degree bounds for Artin L-functions and partial zeta functions, MATHEMATICAL RESEARCH LETTERS 10 (1): 33-40 JAN 2003
- Han F, 张伟平, Spin(c)-manifolds and elliptic genera, COMPTES RENDUS MATHEMATIQUE 336 (12): 1011-1014 JUN 15 2003
- 张伟平, Circle actions and  $Z/k$ -manifolds, COMPTES RENDUS MATHEMATIQUE 337 (1): 57-60 JUL 1 2003

- Liu KF, Ma XN, 张伟平, Rigidity and vanishing theorems in K-theory, COMMUNICATIONS IN ANALYSIS AND GEOMETRY 11 (1): 121-180 MAR 2003
- 龙以明, Admissible shapes of 4-body non-collinear relative equilibria, ADVANCED NONLINEAR STUDIES 3 (4): 495-509 NOV 2003
- 龙以明, Lu GC, Infinitely many periodic solution orbits of autonomous Lagrangian systems on tori, JOURNAL OF FUNCTIONAL ANALYSIS 197 (2): 301-322 FEB 1 2003
- 冯惠涛, Holomorphic equivariant cohomology via a transversal holomorphic vector field, INTERNATIONAL JOURNAL OF MATHEMATICS 14 (5): 499-514 JUL 2003
- Jiang C, 孟道骥, Integrable representations for generalized Virasoro-toroidal Lie algebras, JOURNAL OF ALGEBRA 270 (1): 307-334 DEC 1 2003
- Bai RP, 孟道骥, The strong semi-simple n-Lie algebras, COMMUNICATIONS IN ALGEBRA 31 (11): 5331-5341 2003
- Zhao YF, 孟道骥, Some results on infinite dimensional Novikov algebras, CHINESE ANNALS OF MATHEMATICS SERIES B 24 (3): 309-314 JUL 2003
- Bai CM, 孟道骥, The automorphisms of Novikov algebras in low dimensions, JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 36 (28): 7715-7731 JUL 18 2003
- Wang LY, 孟道骥, Some complete Lie superalgebras, LINEAR ALGEBRA AND ITS APPLICATIONS 369: 339-349 AUG 1 2003
- Bai CM, 孟道骥, He S, Derivations on Novikov algebras, INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS 42 (3): 507-521 MAR 2003
- Bai CM, 孟道骥, Zhang HB, On the central extensions of Poisson brackets of hydrodynamic type, JOURNAL OF PHYSICS A-MATHEMATICAL AND GENERAL 36 (9): 2261-2269 MAR 7 2003
- Zhu LS, 孟道骥, Structure of degenerate block algebras, ALGEBRA COLLOQUIUM 10 (1): 53-62 MAR 2003
- Wang LY, 孟道骥, On solvable complete lie superalgebras, CHINESE ANNALS OF MATHEMATICS SERIES B 24 (1): 111-114 JAN 2003
- Bai CM, 孟道骥, On the Novikov algebra structures adapted to the automorphism structure of a Lie group JOURNAL OF GEOMETRY AND PHYSICS 45 (1-2): 105-115 FEB 2003
- Bai CM, 孟道骥, A Lie algebraic approach to Novikov algebras JOURNAL OF GEOMETRY AND PHYSICS 45 (1-2): 218-230 FEB 2003
- 张震球, Liu FJ, L-2 estimates for oscillatory singular integral operators with analytic phrases, SCIENCE IN CHINA SERIES A-MATHEMATICS 46 (6): 815-823 NOV 2003
- 吴荣, Wang GJ, Wei L, Joint distributions of some actuarial random vectors containing the time of ruin, INSURANCE MATHEMATICS & ECONOMICS 33 (1): 147-161 AUG 8 2003
- 孙文昌, 周性伟, Average sampling in shift invariant subspaces with symmetric averaging functions, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS 287 (1): 279-295 NOV 1 2003
- 孙文昌, 周性伟, Density and stability of wavelet frames, APPLIED AND COMPUTATIONAL HARMONIC ANALYSIS 15 (2): 117-133 SEP 2003
- 孙文昌, 周性伟, Reconstruction of functions in spline subspaces from local averages, PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY 131 (8): 2561-

2571 2003

- Ren YX, 王永进, Finite time extinction of super-Brownian motions with deterministic catalyst, SCIENCE IN CHINA SERIES A-MATHEMATICS 46 (4): 538-551 JUL 2003
- 定光桂, On the extension of isometries between unit spheres of  $E$  and  $C$  ( $\Omega$ ), ACTA MATHEMATICA SINICA-ENGLISH SERIES 19 (4): 793-800 OCT 2003
- 定光桂, The isometric extension problem in the unit spheres of  $\text{iota}(p)$  ( $\Gamma$ )( $p > 1$ ) type spaces, SCIENCE IN CHINA SERIES A-MATHEMATICS 46 (3): 333-338 MAY 2003
- 顾沛, Bai CM, On set-theoretical solutions to quantum Yang-Baxter equation, COMMUNICATIONS IN THEORETICAL PHYSICS 39 (2): 141-143 FEB 15 2003
- 吴志强, Profinite quantum groups MATHEMATISCHE NACHRICHTEN 254: 197-217 2003
- 时俭益, Fully commutative elements and Kazhdan-Lusztig cells in the finite and affine Coxeter groups, PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY 131 (11): 3371-3378 2003
- 付梅, Iascoux A, The  $q$ -identities from Lagrange and Newton interpolation Advances in Applied Mathematics 31(1): 150-162 Jul 2003
- 王超, Note on a variant of the Erdos-Ginzburg-Ziv problem ACTA ARITHMETICA 108 (1): 53-59 2003
- 郭军伟, A blossoming algorithm for tree volumes of composite digraphs, ADVANCES IN APPLIED MATHEMATICS 31 (2): 321-333 AUG 2003
- 郭军伟, A simple proof of Dixon's identity, DISCRETE MATHEMATICS 268 (1-3): 309-310 JUL 6 2003
- 张宝印, A new elementary algorithm for proving  $q$ -hypergeometric identities, J. Symbolic Comput 35: 293-303, 2003

[2001年](#)

[2002年](#)

[2003年](#)

[2004年](#)

[重要专著](#)

2004年

- 陈永川, Fu AM, Cauchy augmentation for basic hypergeometric series, BULLETIN OF THE LONDON MATHEMATICAL SOCIETY 36: 169-175 Part 2 MAR 2004
- Barrett CL, 陈永川, Zheng MJ, Discrete dynamical systems on graphs and Boolean functions, MATHEMATICS AND COMPUTERS IN SIMULATION 66 (6): 487-497 AUG 12 2004
- 方复全, Rong XC, Positively curved manifolds with maximal discrete symmetry rank, AMERICAN JOURNAL OF MATHEMATICS 126 (2): 227-245 APR 2004
- 方复全, Pan JZ, Secondary Brown-Kervaire quadratic forms and  $\pi$ -manifolds, FORUM MATHEMATICUM 16 (4): 459-481 2004
- 张伟平, Sub-signature operators, eta-invariants and a Riemann-Roch theorem for flat vector bundles, CHINESE ANNALS OF MATHEMATICS SERIES B 25 (1): 7-36 JAN 2004
- 龙以明, Sun SZ, Collinear central configurations and singular surfaces in the mass space, ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS 173 (2): 151-167 AUG 2004
- Dong YJ, 龙以明, Closed characteristics on asymmetric convex hypersurfaces in  $R^{2n}$  and the corresponding pinching conditions, ACTA MATHEMATICA SINICA-ENGLISH SERIES 20 (2): 223-232 APR 2004

- Dong YJ, 龙以明, Closed characteristics on partially symmetric compact convex hypersurfaces in  $R^{2n}$ , JOURNAL OF DIFFERENTIAL EQUATIONS 196 (1): 226-248 JAN 1 2004
- 扶磊, Wan DQ, Moment L-functions, partial L-functions and partial exponential sums, MATHEMATISCHE ANNALEN 328 (1-2): 193-228 JAN 2004
- Wu HC, 李学良, Su JJ, The number of removable edges in a 4-connected graph, JOURNAL OF COMBINATORIAL THEORY SERIES B 92 (1): 13-40 SEP 2004
- Xiong LM, Broersma HJ, 李学良, et al., The hamiltonian index of a graph and its branch-bonds, DISCRETE MATHEMATICS 285 (1-3): 279-288 AUG 6 2004
- 李学良, Yang YT, Sharp bounds for the general Randic index, MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY (51): 155-166 APR 2004
- 李学良, Zhao HX, Trees with the first three smallest and largest generalized topological indices, MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY (50): 57-62 FEB 2004
- Zhao HX, 李学良, Trees with small Randic connectivity indices, MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY (51): 167-178 APR 2004
- 李学良, Zhang XY, The edge split reconstruction problem for chemical trees is NP-complete, MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY (51): 205-210 APR 2004
- Wang LG, 李学良, Hoede C, Integral complete r-partite graphs, DISCRETE MATHEMATICS 283 (1-3): 231-241 JUN 6 2004
- Li RH, 李学良, Binary construction of quantum codes of minimum distance three and four, IEEE TRANSACTIONS ON INFORMATION THEORY 50 (6): 1331-1336 JUN 2004
- Zhao HX, 李学良, Zhang SG, et al., On the minimum real roots of the sigma-polynomials and chromatic uniqueness of graphs, DISCRETE MATHEMATICS 281 (1-3): 277-294 APR 28 2004
- Zhao HX, 李学良, LIU RY, YE CF The chromaticity of certain complete multipartite graphs Graphs and Combinatorics 20:423-434, 2004
- 陈永川, 李学良, Wang C, et al., The minimum all-ones problem for trees, SIAM JOURNAL ON COMPUTING 33 (2): 379-392 2004
- Wang LG, 李学良, Zhang SG, Families of integral trees with diameters 4, 6, and 8, DISCRETE APPLIED MATHEMATICS 136 (2-3): 349-362 FEB 15 2004
- 侯庆虎, k-free recurrences of double hypergeometric terms, ADVANCES IN APPLIED MATHEMATICS 32 (3): 468-484 APR 2004
- 侯庆虎, Lascoux A, Mu YP, Continued fractions for Rogers-Szego polynomials, NUMERICAL ALGORITHMS 35 (1): 81-90 JAN 2004
- 龙以明, Sun SZ Collinear central configurations and singular surfaces in the mass space ARCHIVE FOR RATIONAL MECHANICS AND ANALYSIS 173 (2): 151-167 AUG 2004
- Ren B, 孟道骥, Quasi L-3-filiform Lie algebras COMMUNICATIONS IN ALGEBRA 32 (8): 3281-3295 2004
- Zhao YF, Bai CM, 孟道骥, Some results on Novikov-Poisson algebras INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS 43 (2): 519-528 FEB 2004
- Deng SQ, 侯自新, Invariant randers metrics on homogeneous riemannian



- 侯自新, 梁科, Zhu FH, Unitary representations of classical Lie groups of equal rank with nonzero Dirac cohomology, PACIFIC JOURNAL OF MATHEMATICS 214 (2): 285-302 APR 2004
- Zhu FH, 梁科, Totally geodesic submanifolds of maximal rank in symmetric spaces SCIENCE IN CHINA SERIES A-MATHEMATICS 47 (2): 264-271 APR 2004
- 符方伟, Klove T Two constructions of permutation arrays, IEEE TRANSACTIONS ON INFORMATION THEORY 50 (5): 881-883 MAY 2004
- Chen LS, 符方伟, Wei VKW, On the constructions and nonlinearity of binary vector-output correlation-immune functions, JOURNAL OF COMPLEXITY 20 (2-3): 266-283 APR-JUN 2004
- Yang DY, 周性伟, Frame wavelets with matrix dilations in  $L_2(\mathbb{R}^n)$ , APPLIED MATHEMATICS LETTERS 17 (6): 631-639 JUN 2004
- Yang DY, 周性伟, Wavelet frames with irregular matrix dilations and their stability, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS 295 (1): 97-106 JUL 1 2004
- 孙文昌, 周性伟, Density of irregular wavelet frames, PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY 132 (8): 2377-2387 2004
- Yang X, 周性伟, An extension of the Chui-Shi frame condition to nonuniform affine operations, APPLIED AND COMPUTATIONAL HARMONIC ANALYSIS 16 (2): 148-157 MAR 2004
- 郭景美, Lip automorphism germ and lip automorphism ACTA MATHEMATICA SINICA-ENGLISH SERIES 20 (3): 551-556 JUN 2004
- Li PF, Liu MQ, 张润楚, Some theory and the construction of mixed-level supersaturated designs, STATISTICS & PROBABILITY LETTERS 69 (1): 105-116 AUG 1 2004
- Ai MY, 张润楚,  $S_n$ -m designs containing clear main effects or clear two-factor interactions, STATISTICS & PROBABILITY LETTERS 69 (2): 151-160 AUG 15 2004
- Ai MY, 张润楚, Multistratum fractional factorial split-plot designs with minimum aberration and maximum estimation capacity, STATISTICS & PROBABILITY LETTERS 69 (2): 161-170 AUG 15 2004
- Ai MY, 张润楚, Theory of minimum aberration blocked regular mixed factorial designs, JOURNAL OF STATISTICAL PLANNING AND INFERENCE 126 (1): 305-323 NOV 1 2004
- Ai MY, 张润楚, Theory of optimal blocking of nonregular factorial designs, CANADIAN JOURNAL OF STATISTICS-REVUE CANADIENNE DE STATISTIQUE 32 (1): 57-72 MAR 2004
- Lin L, 张润楚, Bootstrap wavelet in the nonparametric regression model with weakly dependent processes, ACTA MATHEMATICA SCIENTIA 24 (1): 61-70 JAN 2004
- Leung CW, 吴志强, Some permanence properties of  $C^*$ -unique groups JOURNAL OF FUNCTIONAL ANALYSIS 210 (2): 376-390 MAY 15 2004
- 金应烈, Liu CL, Enumeration for spanning forests of complete bipartite graphs, ARS COMBINATORIA 70: 135-138 JAN 2004
- Huang WL, Hofer R, 万哲先, Agency preserving mappings of symmetric hermitian matrices, Aequationes Mathematicae 67: 132-139 2004

- 郁星星, Infinite paths in planar graphs I: Graphs with radial nets, JOURNAL OF GRAPH THEORY 47 (2): 147-162 OCT 2004
- Chen GT, Fan GH, 郁星星, Cycles in 4-connected planar graphs, EUROPEAN JOURNAL OF COMBINATORICS 25 (6): 763-780 AUG 2004
- Chen GT, Xu J, 郁星星, Circumference of graphs with bounded degree, SIAM JOURNAL ON COMPUTING 33 (5): 1136-1170 2004
- 时俭益, Yang-baxter bases for coxeter groups, JOURNAL OF THE LONDON MATHEMATICAL SOCIETY-SECOND SERIES 69: 349-362 Part 2 APR 2004

[2001年](#)

[2002年](#)

[2003年](#)

[2004年](#)

[重要专著](#)

### 重要专著

- 张伟平, 《Lectures on Chern-Weil Theory and Witten Deformations》World Scientific Publishing 2001
- 龙以明, 《Index Theory for Symplectic Paths with Applications》瑞士 Birkhauser出版社 2002
- 陈省身, 扶磊, R. Hain, 《Contemporary Trends in Algebraic Geometry and Algebraic Topology》, World Scientific ,2002。
- 扶磊, 《Algebraic Geometry》, Tsinghua University Press and World Scientific, to appear。