

Author index with titles

This article has been downloaded from IOPscience. Please scroll down to see the full text article.

2005 J. Phys. A: Math. Gen. 38 11045

(<http://iopscience.iop.org/0305-4470/38/50/M01>)

View [the table of contents for this issue](#), or go to the [journal homepage](#) for more

Download details:

IP Address: 171.66.16.94

The article was downloaded on 03/06/2010 at 04:05

Please note that [terms and conditions apply](#).

Author index with titles

- Abanov A G: *see* Franchini F 5069
Abbott D: *see* Flitney A P 449
Abdel-Aty M: Information entropy of a time-dependent three-level trapped ion interacting with a laser field 8589
Abodayeh K: *see* Barakat T 1299
Abraham-Shrauner B: Lie symmetry solutions for anomalous diffusion 2547
Abreu L D: Sampling theory associated with q -difference equations of the Sturm–Liouville type 10311
Abreu L M and de Montigny M: Galilean covariant models of bosons coupled to a Chern–Simons gauge field 9877
Ackad E and Horbatsch M: Numerical solution of the Dirac equation by a mapped Fourier grid method 3157
Adami R and Sacchetti A: The transition from diffusion to blow-up for a nonlinear Schrödinger equation in dimension 1 8379
Adib A B: NP-hardness of the cluster minimization problem revisited 8487
Adler J: *see* Schreiber N 7253
Adler S L: Stochastic collapse and decoherence of a non-dissipative forced harmonic oscillator 2729
Adler S L, Bassi A and Ippoliti E: Towards quantum superpositions of a mirror: an exact open systems analysis—calculational details 2715
Agrotis M A, Damianou P A and Marmo G: A symplectic realization of the Volterra lattice 6327
Aguirre L A and Letellier C: Observability of multivariate differential embeddings 6311
Ahmed H M: *see* Doha E H 10107
Ahmed M R and Gehring G A: The phase diagram of an anisotropic Potts model 4047
Ahmed Z: Novel phase-space orbits and quantization L701
Ahmed Z, Bender C M and Berry M V: Reflectionless potentials and \mathcal{PT} symmetry L627
Ait Ben Haddou M, Belhaj A and Saidi E H: Classification of $\mathcal{N} = 2$ supersymmetric CFT₄s: indefinite series 1793
Aizawa N, Chakrabarti R and Segar J: Generalized boson algebra and its entangled bipartite coherent states 9007
Akhtarshenas S J: Concurrence vectors in arbitrary multipartite quantum systems 6777
Akkermans E: *see* Müller C A 7807
Al-Jaber S M and Lombard R J: Connection between the spectrum and the moments of the ground-state density in N -dimensional space 4637
Albert J: *see* Gerry C C 1333
Albeverio S and Kuzhel S: One-dimensional Schrödinger operators with \mathcal{P} -symmetric zero-range potentials 4975
Albeverio S and Pankrashkin K: A remark on Krein’s resolvent formula and boundary conditions 4859
Alcaraz F C and Rittenberg V: Supersymmetry on Jacobstahl lattices L809
Aldaya V and Guerrero J: Group approach to the quantization of the Pöschl–Teller dynamics 6939
Aleixo A N F and Balantekin A B: Quantum dynamics of a two-level system coupled to a shape-invariant potential 8603
Alfred M: *see* Gill T L 6955
Algin A and Deviren B: Bose–Einstein condensation of a two-parameter deformed quantum group boson gas 5945
Alhaidari A D: Scattering and bound states for a class of non-central potentials 3409
Alhendi H A and Lashin E I: High-precision numerical determination of eigenvalues for a double-well potential related to the Zinn–Justin conjecture 6785
Alieva T: *see* Bastiaans M J 9931
Alieva T: *see* Bastiaans M J L73
Alm S E: Upper and lower bounds for the connective constants of self-avoiding walks on the Archimedean and Laves lattices 2055
Almeida L A F and Dalmazi D: The Yang–Lee zeros of the 1D Blume–Capel model on connected and non-connected rings 6863
Altland A: *see* Müller J 3097
Altshuler B L: *see* Yuzbashyan E A 7831
Alvarez-Moraga N: Coherent and squeezed states of quantum Heisenberg algebras 2375
Álvarez-Nodarse R, Atakishiyev N M and Costas-Santos R S: Factorization of the hypergeometric-type difference equation on non-uniform lattices: dynamical algebra 153
Amblard P-O: *see* Borgnat P 2081
Amore P: One-loop integrals at finite temperature 6463
Amosov G G and Man’ko V I: Tomographic quantum measures for many degrees of

- freedom and the central limit theorem [2173](#)
- An J-H, Wang S-J and Luo H-G: Entanglement production and decoherence-free subspace of two single-mode cavities embedded in a common environment [3579](#)
- Ancliff M and Muzykantskii B A: A minimal approach for the local statistical properties of a one-dimensional disordered wire [5751](#)
- Andrade J S: *see* Soares D J B [L413](#)
- Andriopoulos K and Leach P G L: Wavefunctions for the time-dependent linear oscillator and Lie point symmetries [4365](#)
- Aneva B and Popov T: Hopf structure and Green ansatz of deformed parastatistics algebras [6473](#)
- Anfossi A and Montorsi A: Spin-fermion mappings for even Hamiltonian operators [4519](#)
- Anghel D-V, Fefelov O and Galperin Y M: Fluctuations of the Fermi condensate in ideal gases [9405](#)
- Angulo-Brown F: *see* Ares de Parga G [2821](#)
- Annaby M H and Mansour Z S: Basic Sturm-Liouville problems [3775](#)
- Antal T and Redner S: The excited random walk in one dimension [2555](#)
- Anton L, Blythe R A and Bray A J: Spatial fluctuations of a surviving particle in the trapping reaction [133](#)
- Anton L, Park H and Park S-C: Generating function for particle-number probability distribution in directed percolation [8187](#)
- Antoniou I: *see* Pavlov B [4811](#)
- Ao S-M and Yan J-R: A perturbation method for dark solitons based on a complete set of the squared Jost solutions [2399](#)
- Aoki T, Kawai T, Sasaki S, Shudo A and Takei Y: Virtual turning points and bifurcation of Stokes curves for higher order ordinary differential equations [3317](#)
- Apalkov V M, Raikh M E and Shapiro B: Light intensity correlations in optically active media [10545](#)
- Appl T and Schiller D H: Cosine and sine operators related to orthogonal polynomial sets on the interval $[-1, 1]$ [6485](#)
- Aratyn H, Gomes J F, de Castro G M, Silka M B and Zimerman A H: Supersymmetry for integrable hierarchies on loop superalgebras [9341](#)
- Ardonne E, Kedem R and Stone M: Filling the Bose sea: symmetric quantum Hall edge states and affine characters [617](#)
- Ardonne E, Kedem R and Stone M: Fusion products, Kostka polynomials and fermionic characters of $\widehat{\mathfrak{su}}(\mathfrak{r} + 1)_k$ [9183](#)
- Ares de Parga G, López-Carrera B and Angulo-Brown F: A proposal for relativistic transformations in thermodynamics [2821](#)
- Arne Rikvold P: *see* Sevim V [9475](#)
- Ashwin P: *see* Hawker D [8319](#)
- Aslangul C: Quantum dynamics of a particle with a spin-dependent velocity [1](#)
- Aspelmeier T: *see* Yeo J [4027](#)
- Atakishiyev N M: *see* R Álvarez-Nodarse [153](#)
- Atanackovic T M, Budincevic M and Pilipovic S: On a fractional distributed-order oscillator [6703](#)
- Athalye V and Kumar A: Stationary states of pyramidal molecules coupled to an electromagnetic field below and above critical pressure [8239](#)
- Aunola M: Explicit representations of Pollaczek polynomials corresponding to an exactly solvable discretization of the hydrogen radial Schrödinger equation [1279](#)
- Austin K: *see* Rodgers G J [9431](#)
- Avdonin S A, Dmitrieva L A, Kuperin Yu A and Sartan V V: Solvable model of spin-dependent transport through a finite array of quantum dots [4825](#)
- Avendaño C G, Ponti S, Reyes J A and Oldano C: Multiplet structure of the defect modes in 1D helical photonic crystals with twist defects [8821](#)
- Avis D, Imai H, Ito T and Sasaki Y: Two-party Bell inequalities derived from combinatorics via triangular elimination [10971](#)
- Azatassou E S: *see* Hounkonnou M N [371](#)
- Babnik B: *see* Iglič A [8527](#)
- Badiali J P: Entropy, time-irreversibility and the Schrödinger equation in a primarily discrete spacetime [2835](#)
- Bagchi B, Banerjee A, Quesne C and Tkachuk V M: Deformed shape invariance and exactly solvable Hamiltonians with position-dependent effective mass [2929](#)
- Bagchi B, Quesne C and Roychoudhury R: Pseudo-Hermiticity and some consequences of a generalized quantum condition [L647](#)
- Bai C-L and Zhao H: A new general type of solitary wave of a (2+1)-dimensional system [4375](#)
- Bai Y-K, Li S-S and Zheng H-Z: Method for measuring two-qubit entanglement of formation by local operations and classical communication [8633](#)
- Balakrishnan J: Self-tuning to the Hopf bifurcation in fluctuating systems [1627](#)
- Balakrishnan R: *see* Dandoloff R [6121](#)
- Balakrishnan R: *see* Satija I I [485](#)
- Balantekin A B, Dereli T and Pehlivan Y: Solutions of the Gaudin equation and Gaudin algebras [5697](#)
- Balantekin A B: *see* Aleixo A N F [8603](#)

- Balcan D: *see* Mungan M 9599
- Ballesteros A, Celeghini E and del Olmo M A: Quantization of Drinfel'd doubles 3909
- Ballesteros A, Herranz F J and Ragnisco O: Integrable potentials on spaces with curvature from quantum groups 7129
- Ballesteros F J: *see* Luque B 1031
- Ban M: Symmetric and asymmetric quantum channels in quantum communication systems 3595
- Ban M, Kitajima S and Shibata F: Decoherence of entanglement in the Bloch channel 4235
- Ban M, Kitajima S and Shibata F: Decoherence of quantum information in the non-Markovian qubit channel 7161
- Banach Z and Larecki W: Nine-moment phonon hydrodynamics based on the maximum-entropy closure: one-dimensional flow 8781
- Bandyopadhyay S K, Bhattacharyya K and Bhattacharjee J K: How do supersingular perturbations generate non-Taylor series? L331
- Banerjee A: *see* Bagchi B 2929
- Banerjee R, Chakraborty B and Gangopadhyay S: Noncommutativity and reparametrization symmetry 957
- Banerjee S and Kupsch J: Applications of canonical transformations 5237
- Banerji J: *see* Roy U 9115
- Banks S T and Bramwell S T: Temperature-dependent fluctuations in the two-dimensional XY model 5603
- Barakat T, Abodayeh K and Mukheimer A: The asymptotic iteration method for the angular spheroidal eigenvalues 1299
- Baran H: Can we always distinguish between positive and negative hierarchies? L301
- Baranger H U: *see* Yoo J 10307
- Baranger M: *see* de Aguiar M A M 4645
- Barbé A and von Haeseler F: Correlation and spectral properties of higher-dimensional paperfolding and Rudin–Shapiro sequences 2599
- Barcza S: The diamagnetic Coulomb problem: an eigenvalue problem with two singularities 2469
- Barducci A and Giachetti R: Scalar and spinning particles in an external linearized gravitational wave field 1615
- Barford T and Birse M C: Effective theories of scattering with an attractive inverse-square potential and the three-body problem 697
- Barkovsky L M: *see* Furs A N 8083
- Barkovsky L M: *see* Novitsky A V 391
- Barton G: Casimir effects for a flat plasma sheet: I. Energies 2997
- Barton G: Casimir effects for a flat plasma sheet: II. Fields and stresses 3021
- Bashford J D: *see* Jarvis P D 9621
- Bashkirov D, Giachetta G, Mangiarotti L and Sardanashvily G: Noether's second theorem in a general setting: reducible gauge theories 5329
- Başkal S and Kim Y S: Rotations associated with Lorentz boosts 6545
- Basor E and Chen Y: Perturbed Hankel determinants 10101
- Bassi A: Collapse models: analysis of the free particle dynamics 3173
- Bassi A, Ippoliti E and Vacchini B: On the energy increase in space-collapse models 8017
- Bassi A: *see* Adler S L 2715
- Bastiaans M J and Alieva T: Bi-orthonormal sets of Gaussian-type modes 9931
- Bastiaans M J and Alieva T: Generating function for Hermite–Gaussian modes propagating through first-order optical systems L73
- Batchelor M T, Guan X W, Oelkers N and Lee C: The 1D interacting Bose gas in a hard wall box 7787
- Battezzati M and Magnasco V: Asymptotic expansion for the Keesom integral 6715
- Bauch S: *see* Hul O 10489
- Bauer J: Comment on 'Generalized Bessel functions in tunnelling ionization' 521
- Baumann F, Henkel M, Pleimling M and Richert J: Ageing without detailed balance in the bosonic contact and pair-contact processes: exact results 6623
- Bazhanov V V and Mangazeev V V: Eight-vertex model and non-stationary Lamé equation L145
- Bêche B and Gaviot E: A new formulation to shape the concept of bounds in effective dielectric tensors for superlattices with two directions of periodicity 10057
- Bednorz A: Massless charges without self-interaction L667
- Beenakker C W J and Michaelis B: Stub model for dephasing in a quantum dot 10639
- Behringer H, Pleimling M and Hüller A: Finite-size behaviour of the microcanonical specific heat 973
- Beige A: *see* Lim Y L L7
- Belhaj A: On geometric transitions in string compactifications 1371
- Belhaj A, Drissi L B, Rasmussen J, Saidi E H and Sebbar A: Toric Calabi–Yau supermanifolds and mirror symmetry 6405
- Belhaj A and García del Moral M P: On non-commutative G_2 structure 2773
- Belhaj A and Saidi E H: NC Calabi–Yau orbifolds in toric varieties with discrete torsion 721
- Belhaj A: *see* Ait Ben Haddou M 1793
- Bellomo B, Compagno G and Petruccione F:

- Initial correlations effects on decoherence at zero temperature [10203](#)
- Bellucci S and Trifonov A Yu: Semiclassically concentrated solutions for the one-dimensional Fokker–Planck equation with a nonlocal nonlinearity [L103](#)
- Bemfica F S and Girotti H O: The noncommutative degenerate electron gas [L539](#)
- ben-Avraham D and Brunet É: On the relation between one-species diffusion-limited coalescence and annihilation in one dimension [3247](#)
- ben-Avraham D: *see* Rozenfeld H D [4589](#)
- ben-Avraham D: *see* Sood V [109](#)
- Ben-Naim E and Krapivsky P L: Percolation with multiple giant clusters [L417](#)
- Bencheikh K, Nieto L M and Maamache M: Derivation of the differential equation for the Slater sum and of the differential virial theorem using the Wigner transform [7989](#)
- Bender C M and Monou M: New quasi-exactly solvable sextic polynomial potentials [2179](#)
- Bender C M, Brody D C and Hook D W: Solvable model of quantum microcanonical states [L607](#)
- Bender C M: *see* Ahmed Z [L627](#)
- Benguria R D and Depassier M C: On the principal bifurcation branch of a third-order nonlinear long-wave equation [2043](#)
- Bénichou O, Coppel M, Klafter J, Moreau M and Oshanin G: Mean joint residence time of two Brownian particles in a sphere [7205](#)
- Benmoussa A: *see* Gerry C C [1333](#)
- Benslama A: *see* Bourouaine S [7389](#)
- Bentosela F and Tater M: Scattering by a slab: an exact calculation [4835](#)
- Bentsen V S, Herikstad R, Skriudalen S, Brevik I and Høye J S: Calculation of the Casimir force between similar and dissimilar metal plates at finite temperature [9575](#)
- Benzekri T, Chandre C, Lima R and Vittot M: A Hamiltonian system for interacting Benjamin–Feir resonances [5381](#)
- Berggren K-F: *see* Sadreev A F [10787](#)
- Berkdemir A: *see* Yaşuk F [6579](#)
- Berkdemir C: *see* Yaşuk F [6579](#)
- Berry D W and Sanders B C: Equivalence between two-mode spin squeezed states and pure entangled states with equal spin [L205](#)
- Berry M V: Phase vortex spirals [L745](#)
- Berry M V and Ishio H: Nodal-line densities of chaotic quantum billiard modes satisfying mixed boundary conditions [L513](#)
- Berry M V: *see* Ahmed Z [L627](#)
- Bhaduri R K, Sakhr J, Sprung D W L, Dutt R and Suzuki A: Shape invariant potentials in SUSY quantum mechanics and periodic orbit theory [L183](#)
- Bhattacharjee J K: *see* Bandyopadhyay S K [L331](#)
- Bhattacharjee S M: *see* Mukherji S [L285](#)
- Bhattacharyya K: *see* Bandyopadhyay S K [L331](#)
- Bhullar A S, Blümel R and Koch P M: Ray splitting with ghost orbits: explicit, analytical and exact solution for spectra of scaling step potentials with tunnelling [L563](#)
- Biernacki W: *see* Cieśliński J L [9491](#)
- Bini D, de Felice F, Geralico A and Lunari A: Spinning test particles in Weyl spacetimes [1163](#)
- Birse M C: *see* Barford T [697](#)
- Bishara W: *see* Shtengel K [L589](#)
- Bishop A R: *see* Rybin A V [L177](#)
- Bishop A R: *see* Rybin A V [L357](#)
- Björk G: *see* Heydari H [3203](#)
- Blakie P B: *see* Davis M J [10259](#)
- Błaszak M: Separable systems with quadratic in momenta first integrals [1667](#)
- Błaszak M and Sergyeyev A: Maximal superintegrability of Benenti systems [L1](#)
- Blender R: Eulerian velocity reconstruction in ideal atmospheric dynamics using potential vorticity and potential temperature [6419](#)
- Blümel R: Analytical solution of the finite quantum square-well problem [L673](#)
- Blümel R: *see* Bhullar A S [L563](#)
- Blythe R A: *see* Anton L [133](#)
- Boersma J and Glasser M L: A differentiation formula for spherical Bessel functions [1687](#)
- Bogoliubov N M: Boxed plane partitions as an exactly solvable boson model [9415](#)
- Bohner M and M Ünal: Kneser’s theorem in q -calculus [6729](#)
- Bollt E M: *see* Rozenfeld H D [4589](#)
- Bondurant J D and Fulling S A: The Dirichlet-to-Robin transform [1505](#)
- Boos H, Jimbo M, Miwa T, Smirnov F and Takeyama Y: Traces on the Sklyanin algebra and correlation functions of the eight-vertex model [7629](#)
- Bordag M, Pirozhenko I G and Nesterenko V V: Spectral analysis of a flat plasma sheet model [11027](#)
- Borghero F and Bozis G: A two-dimensional inverse problem of geometrical optics [175](#)
- Borgnat P, Amblard P-O and Flandrin P: Scale invariances and Lamperti transformations for stochastic processes [2081](#)
- Borisov V V, Reutova N M and Utkin A B: Electromagnetic waves produced by a travelling current pulse with high-frequency filling [2225](#)
- Bortz M and Sirker J: Boundary susceptibility in the open XXZ-chain [5957](#)
- Bortz M: *see* Göhmann F [10879](#)
- Bose S: *see* Burgarth D [6793](#)

- Botten L C: *see* McPhedran R C [8353](#)
- Bouamra M, Boukraa S, Hassani S and Maillard J-M: Post-critical set and non-existence of preserved meromorphic 2-forms [7957](#)
- Bouferguene A: Addition theorem of Slater type orbitals: a numerical evaluation of Barnett–Coulson/Löwdin functions [2899](#)
- Bouferguene A: A new Gauss quadrature for multicentre integrals over STOs in the Gaussian integral transform approach [3923](#)
- Boukraa S: *see* Bouamra M [7957](#)
- Boukraa S: *see* Zenine N [1875](#)
- Boukraa S: *see* Zenine N [4149](#)
- Boukraa S: *see* Zenine N [9439](#)
- Bourouaine S and Benslama A: Noncommutative quantum electrodynamics in path integral framework [7389](#)
- Bousquet-Mélou M, Guttmann A J and Jensen I: Self-avoiding walks crossing a square [9159](#)
- Bouttier J, Di Francesco P and Guitter E: Combinatorics of bicubic maps with hard particles [4529](#)
- Bouzas A O: Many-body Hamiltonians in implicitly defined frames [7873](#)
- Boyer T H: Blackbody radiation, conformal symmetry, and the mismatch between classical mechanics and electromagnetism [1807](#)
- Bozis G: *see* Borghero F [175](#)
- Brack M, M Ögren, Yu Y and Reimann S M: Uniform semiclassical trace formula for $U(3) \rightarrow SO(3)$ symmetry breaking [9941](#)
- Bradley R M, Deconinck B and Kutz J N: Exact nonstationary solutions to the mean-field equations of motion for two-component Bose–Einstein condensates in periodic potentials [1901](#)
- Brak R, Owczarek A L, Rechnitzer A and Whittington S G: A directed walk model of a long chain polymer in a slit with attractive walls [4309](#)
- Bramwell S T: *see* Banks S T [5603](#)
- Brand J: *see* Piette B [10403](#)
- Brasche J F: Interactions along Brownian paths in \mathbb{R}^d , $d \leq 5$ [4755](#)
- Braunstein S L: *see* Brown I D K [1119](#)
- Bray A J and Gonos P: Survival of a diffusing particle in a transverse flow field [5617](#)
- Bray A J: *see* Anton L [133](#)
- Bray A J: *see* Gonos P [1427](#)
- Breuer H-P: State space structure and entanglement of rotationally invariant spin systems [9019](#)
- Brevik I, Dahl E K and Myhr G O: Casimir force on a micrometer sphere in a dip: proposal of an experiment [L49](#)
- Brevik I: *see* Bentsen V S [9575](#)
- Brey J J: *see* Prados A [7051](#)
- Bridges T J, Hydon P E and Reich S: Vorticity and symplecticity in Lagrangian fluid dynamics [1403](#)
- Brihaye Y and Tchrakian D H: Yang–Mills sphalerons in all even spacetime dimensions $d = 2k$, $k > 2$: $k = 3, 4$ [3679](#)
- Brody D C: *see* Bender C M [L607](#)
- Brown I D K, Stepney S, Sudbery A and Braunstein S L: Searching for highly entangled multi-qubit states [1119](#)
- Bruce S: Neutron confinement and the Aharonov–Casher effect [6999](#)
- Brunet É: *see* ben-Avraham D [3247](#)
- Brunner I and Gaberdiel M R: The matrix factorizations of the D-model [7901](#)
- Bužek V: *see* Stelmachovič P [6051](#)
- Budincevic M: *see* Atanackovic T M [6703](#)
- Budini A A and Schomerus H: Non-Markovian master equations from entanglement with stationary unobserved degrees of freedom [9251](#)
- Bulgakov E N: *see* Sadreev A F [10647](#)
- Buonsante P, Franco R and Penna V: An algebraic approach to the study of weakly excited states for a condensate in a ring geometry [8393](#)
- Burbanks A: *see* Waalkens H [L759](#)
- Burdík Ć and Navrátil O: A method for construction of the matrix solvable models [1533](#)
- Burdík Ć and Navrátil O: Normal ordering for the deformed Heisenberg algebra involving the reflection operator [2305](#)
- Burgarth D, Giovannetti V and Bose S: Efficient and perfect state transfer in quantum chains [6793](#)
- Burić N: Phase-space dynamical model of an open system of interacting q-bits [2157](#)
- Burioni R and Cassi D: Random walks on graphs: ideas, techniques and results [R45](#)
- Burioni R, Cassi D and Neri F M: AC properties of 3d Sierpinski gaskets: rigorous results [3065](#)
- Burton J D: *see* Ye Zhuravlev M [5547](#)
- Büttiker M and Polianski M L: Charge fluctuations in open chaotic cavities [10559](#)
- Büttner H: *see* Endrejat J [9289](#)
- Büttner H: *see* Hörhammer C [7325](#)
- Buyarov V: *see* Sánchez-Moreno P [9969](#)
- Byshkin M S and Turkin A A: A new method for the calculation of the conductivity of inhomogeneous systems [5057](#)
- Caban P, Podlaski K, Rembieliński J, Smoliński K A and Walczak Z: Entanglement and tensor product decomposition for two fermions [L79](#)
- Cacciapuoti C, Carlone R and Figari R: Decoherence induced by scattering: a three-dimensional model [4933](#)

- Cáceres M O and Liliana Insua G: Passage times of asymmetric anomalous walks with multiple paths [3711](#)
- Calabrese P and Gambassi A: Ageing properties of critical systems [R133](#)
- Caliceti E, Graffi S and Sjöstrand J: Spectra of PT -symmetric operators and perturbation theory [185](#)
- Calogero F, Gómez-Ullate D, Santini P M and Sommacal M: The transition from regular to irregular motions, explained as travel on Riemann surfaces [8873](#)
- Campoamor-Stursberg R: A new matrix method for the Casimir operators of the Lie algebras $\mathfrak{osp}(N, \mathbb{R})$ and $\mathfrak{isp}(2N, \mathbb{R})$ [4187](#)
- Cao H: Review on latest developments in random lasers with coherent feedback [10497](#)
- Cao J, Sun Z Z, Yin S, Wang Y and Wang X R: Magnetic impurity effect on the entanglement in the Ising model [2579](#)
- Cao Y and Chow W K: A theoretical analysis on Rayleigh–Taylor and Richtmyer–Meshkov mixing [6613](#)
- Cao Z: *see* He Y [5771](#)
- Capel H W: *see* Field C M [9503](#)
- Capel H W: *see* Quispel G R W [3965](#)
- Capovilla R and Guven J: Helfrich–Canham bending energy as a constrained nonlinear sigma model [2593](#)
- Capovilla R, Guven J and Rojas E: Hamilton's equations for a fluid membrane: axial symmetry [8201](#)
- Capovilla R, Guven J and Rojas E: Hamilton's equations for a fluid membrane [8841](#)
- Cappellini V: Quantum dynamical entropies for discrete classical systems: a comparison [6893](#)
- Caprio M A: Application of the coherent state formalism to multiply excited states [6385](#)
- Capuzzi P, March N H and Tosi M P: Differential equation for the ground-state density of artificial two-electron atoms with harmonic confinement [L439](#)
- Cargo M, Gracia-Saz A, Littlejohn R G, Reinsch M W and de M Rios P: Quantum normal forms, Moyal star product and Bohr–Sommerfeld approximation [1977](#)
- Carlone R: *see* Cacciapuoti C [4933](#)
- Carmeli C, Heinonen T and Toigo A: On the coexistence of position and momentum observables [5253](#)
- Carteret H A, Richmond B and Temme N M: Evanescence in coined quantum walks [8641](#)
- Cassi D: *see* Burioni R [3065](#)
- Cassi D: *see* Burioni R [R45](#)
- Castañeda A and Kravchenko V V: New applications of pseudoanalytic function theory to the Dirac equation [9207](#)
- Castilho Alcarás J A, Tambergs J, Krasta T, Ruža J and Katkevičius O: A dimension formula for reduced plethysms [7501](#)
- Cataldo H M: Damping of vortex waves in a superfluid [7929](#)
- Caudrelier V, Mintchev M, Ragoucy E and Sorba P: Reflection–transmission quantum Yang–Baxter equations [3431](#)
- Caudrelier V and Ragoucy E: Spontaneous symmetry breaking in the non-linear Schrödinger hierarchy with defect [2241](#)
- Cavalcanti S B: *see* Shchesnovich V S [6917](#)
- Ceccherini F, Cicogna G and Pegoraro F: Symmetry properties of a system of Euler-type equations for magnetized plasmas [4597](#)
- Celeghini E: *see* Ballesteros A [3909](#)
- Cervellino A and Ciccariello S: The determinants of some multilevel Vandermonde and Toeplitz matrices [9731](#)
- Çetinbaş M: *see* Tessieri L [943](#)
- Chabanov A A: *see* Genack A Z [10465](#)
- Chadan K and Kobayashi R: The absence of positive energy bound states for a class of nonlocal potentials [1133](#)
- Chaichi M, García-Río E and Vázquez-Abal M E: Three-dimensional Lorentz manifolds admitting a parallel null vector field [841](#)
- Chair N and Dalabeeh M A: The noncommutative quadratic Stark effect for the H-atom [1553](#)
- Chakrabarti R: *see* Aizawa N [9007](#)
- Chakraborty B: *see* Banerjee R [957](#)
- Chakraborty B: *see* Scholtz F G [9849](#)
- Chamon C: *see* Shtengel K [L589](#)
- Chandra Bag B: *see* Goswami G [1659](#)
- Chandrasekharan S: *see* Yoo J [10307](#)
- Chandre C: *see* Benzekri T [5381](#)
- Chang J H: *see* Wu D [6167](#)
- Chang J-H: Hydrodynamic reductions of the dispersionless Harry Dym hierarchy [6505](#)
- Chang J-H: *see* Tu M-H [9529](#)
- Chang-Young E and Kim H: Theta vectors and quantum theta functions [4255](#)
- Chapman S C, Rowlands G and Watkins N W: Scaling and commonality in anomalous fluctuation statistics in models for turbulence and ferromagnetism [2289](#)
- Chavchanidze G: Involutive orbits of non-Noether symmetry groups [6517](#)
- Chechkin A V, Gorenflo R and Sokolov I M: Fractional diffusion in inhomogeneous media [L679](#)
- Chen B and Xie Y: Exact solutions for Wick-type stochastic coupled Kadomtsev–Petviashvili equations [815](#)
- Chen J: *see* Lin B [69](#)
- Chen L C and Wu F Y: The random cluster model and a new integration identity [6271](#)

- Chen P and Redner S: Consensus formation in multi-state majority and plurality models [7239](#)
- Chen X: *see* Qin G [4247](#)
- Chen Y and Pruessner G: Orthogonal polynomials with discontinuous weights [L191](#)
- Chen Y: *see* Basor E [10101](#)
- Chen Y-T, Lee N-C and Tu M-H: On dispersionless Hirota equations of the dispersionless Dym hierarchy [2623](#)
- Chen Y-T: *see* Tu M-H [9529](#)
- Chen Y-T: *see* Wu D [6167](#)
- Chen Y-X: *see* Ruan H-Y [3995](#)
- Cheng C-J, Hwang C-C, Liao T-L and Chou G-L: Optimal control of quantum systems: a projection approach [929](#)
- Choi J and Choi M Y: Stability of thermodynamic and dynamical order in a system of globally coupled rotors [5659](#)
- Choi M Y: *see* Choi J [5659](#)
- Choi M Y: *see* Kim B J [2115](#)
- Chou G-L: *see* Cheng C-J [929](#)
- Chou T: *see* D'Orsogna M R [531](#)
- Chow K W: *see* Tang X Y [10361](#)
- Chow W K: *see* Cao Y [6613](#)
- Christopoulos C: *see* Thompson I [2701](#)
- Ciccariello S: *see* Cervellino A [9731](#)
- Cicogna G: *see* Ceccherini F [4597](#)
- Cieřliński J L and Biernacki W: A new approach to the Darboux–Bäcklund transformation versus the standard dressing method [9491](#)
- Ciftci H, Hall R L and Saad N: Construction of exact solutions to eigenvalue problems by the asymptotic iteration method [1147](#)
- Clarkson P A: *see* Sen A [9751](#)
- Clusel M and Fortin J-Y: 1D action and partition function for the 2D Ising model with a boundary magnetic field [2849](#)
- Cohen D and Etzioni Y: The multi-mode conductance formula for a closed ring [9699](#)
- Combescuré M: On quantum revivals and quantum fidelity. A semiclassical approach [2635](#)
- Compagno G: *see* Bellomo B [10203](#)
- Comtet A, Desbois J and Texier C: Functionals of Brownian motion, localization and metric graphs [R341](#)
- Constantinescu F: Definite and indefinite inner products on superspace (Hilbert–Krein superspace) [1385](#)
- Conte R and Gandarias M L: Symmetry reductions of a particular set of equations of associativity in two-dimensional topological field theory [1187](#)
- Contopoulos G and Harsoula M: Stability and instability in the anisotropic Kepler problem [8897](#)
- Coolen A C C: Generating functional analysis of minority games with real market histories [2311](#)
- Coolen A C C, Skantzos N S, Pérez Castillo I, Pérez Vicente C J, Hatchett J P L, Wemmenhove B and Nikolettopoulos T: Finitely connected vector spin systems with random matrix interactions [8289](#)
- Coppey M: *see* Bénichou O [7205](#)
- Corberi F, Gonnella G and Lamura A: Effects of anisotropy on the formation of a lamellar phase under shear [3883](#)
- Correggi M and Dell'Antonio G: Decay of a bound state under a time-periodic perturbation: a toy case [4769](#)
- Costas-Santos R S: *see* R Álvarez-Nodarse [153](#)
- Cotăescu I I, Moroianu S and Visinescu M: Quantum anomalies for generalized Euclidean Taub–NUT metrics [7005](#)
- Coussement J and Van Assche W: A continuum limit of the relativistic Toda lattice: asymptotic theory of discrete Laurent orthogonal polynomials with varying recurrence coefficients [3337](#)
- Coutinho F A B, Nogami Y, Tomio L and Toyama F M: \mathcal{PT} -invariant point interactions in one dimension [L519](#)
- Coutinho F A B, Nogami Y, Tomio L and Toyama F M: Energy-dependent point interactions in one dimension [4989](#)
- Creagh S C: *see* Dullin H R [L443](#)
- Crowdy D: Genus- N algebraic reductions of the Benney hierarchy within a Schottky model [10917](#)
- Cucchieri A and Mendes T: Equation of state for spin systems with Goldstone bosons: the $3d$ $O(4)$ case [4561](#)
- Cuesta J A: *see* Lafuente L [7461](#)
- da Luz M G E: *see* Rego L G C [L639](#)
- da Providência J: *see* Nishiyama S [6759](#)
- da Silva M A: *see* Wreszinski W F [6293](#)
- Daboul J and Mizrahi S S: $O(N)$ symmetries, sum rules for generalized Hermite polynomials and squeezed states [427](#)
- Dahl E K: *see* Brevik I [L49](#)
- Dai H-H and Li Y: The interaction of the ω -soliton and ω -cuspon of the Camassa–Holm equation [L685](#)
- Dalabeeh M A: *see* Chair N [1553](#)
- Dalmazi D: *see* Almeida L A F [6863](#)
- Damianou P A: *see* Agrotis M A [6327](#)
- Dandolo R and Balakrishnan R: Quantum effective potential, electron transport and conformons in biopolymers [6121](#)
- Dantas W G and Stilck J F: Study of universality crossover in the contact process [5841](#)
- Datta N and Ruskai M B: Maximal output purity and capacity for asymmetric unital qudit

- channels [9785](#)
- Davis M J and Blakie P B: Calculation of the microcanonical temperature for the classical Bose field [10259](#)
- de Aguiar M A M, Baranger M, Jaubert L, Parisio Fernando and Ribeiro A D: Semiclassical propagation of wavepackets with complex and real trajectories [4645](#)
- de Aguiar M A M: *see* Parisio F [9317](#)
- de Castro A S: Comment on ‘Kepler problem in Dirac theory for a particle with position-dependent mass’ [6855](#)
- de Castro G M: *see* Aratyn H [9341](#)
- de Felice F: *see* Bini D [1163](#)
- de Gosson M A: Extended Weyl calculus and application to the phase-space Schrödinger equation [L325](#)
- de Gosson M A: Symplectically covariant Schrödinger equation in phase space [9263](#)
- de Guise H: *see* Klimov A B [2747](#)
- de León M, Marrero J C and Martínez E: Lagrangian submanifolds and dynamics on Lie algebroids [R241](#)
- De Leo S and Ducati G C: Quaternionic bound states [3443](#)
- de M Rios P: *see* Cargo M [1977](#)
- de Montigny M: *see* Abreu L M [9877](#)
- de Montigny M: *see* Fialowski A [6335](#)
- de Oliveira C R and Prado R A: Dynamical delocalization for the 1D Bernoulli discrete Dirac operator [L115](#)
- de Prunelé E: Time evolution of wave packets on nanostructures [4843](#)
- De Vos A: *see* Van Rentergem Y [3555](#)
- Deb B M: *see* Roy A K [2189](#)
- Deconinck B: *see* Bradley R M [1901](#)
- Degli Esposti M and Winn B: The quantum perturbed cat map and symmetry [5895](#)
- del Campo A and Gonzalo Muga J: Single-particle matter wave pulses [9803](#)
- del Olmo M A: *see* Ballesteros A [3909](#)
- Delgado F: *see* Ruschhaupt A [L171](#)
- Dell’Antonio G: *see* Correggi M [4769](#)
- Delle Site L: On the upper bound of the electronic kinetic energy in terms of density functionals [7893](#)
- Delle Site L: *see* Mosna R A [3869](#)
- Demiralp E: Bound states of n -dimensional harmonic oscillator decorated with Dirac delta functions [4783](#)
- Deng S and Hou Z: On locally and globally symmetric Berwald spaces [1691](#)
- Dennis M R: Correlations between Maxwell’s multipoles for Gaussian random functions on the sphere [1653](#)
- Depassier M C: *see* Benguria R D [2043](#)
- Dereli T: *see* Balantekin A B [5697](#)
- Desbois J: *see* Comtet A [R341](#)
- Desoutter V and Destainville N: Flip dynamics in three-dimensional random tilings [17](#)
- Destainville N: *see* Desoutter V [17](#)
- Deviren B: *see* Algin A [5945](#)
- Dewar R C: Maximum entropy production and the fluctuation theorem [L371](#)
- Di Francesco P: Inhomogeneous loop models with open boundaries [6091](#)
- Di Francesco P and Zinn-Justin P: The quantum Knizhnik–Zamolodchikov equation, generalized Razumov–Stroganov sum rules and extended Joseph polynomials [L815](#)
- Di Francesco P: *see* Bouttier J [4529](#)
- Diao Y, Dobay A and Stasiak A: The average inter-crossing number of equilateral random walks and polygons [7601](#)
- Dickison M and Vojta T: Monte Carlo simulations of the smeared phase transition in a contact process with extended defects [1199](#)
- Dimakis A and Müller-Hoissen F: An algebraic scheme associated with the non-commutative KP hierarchy and some of its extensions [5453](#)
- Diță P: Finite-level systems, Hermitian operators, isometries and a novel parametrization of Stiefel and Grassmann manifolds [2657](#)
- Djordjević B: *see* Živić I [555](#)
- Dmitriev S V, Kevrekidis P G and Yoshikawa N: Discrete Klein–Gordon models with static kinks free of the Peierls–Nabarro potential [7617](#)
- Dmitrieva L A: *see* Avdonin S A [4825](#)
- Dobay A: *see* Diao Y [7601](#)
- Dodonov A V, Dodonov V V and Mizrahi S S: Separability dynamics of two-mode Gaussian states in parametric conversion and amplification [683](#)
- Dodonov V V: *see* Dodonov A V [683](#)
- Doha E H and Ahmed H M: Efficient algorithms for construction of recurrence relations for the expansion and connection coefficients in series of Al-Salam–Carlitz I polynomials [10107](#)
- Donoso J M, Salgado J J and Soler M: Non-linear Fokker–Planck integral propagator for plasma kinetic coefficients [9145](#)
- Dorey P, Millican-Slater A and Tateo R: Beyond the WKB approximation in \mathcal{PT} -symmetric quantum mechanics [1305](#)
- Dorignac J: On the quantum spectrum of isochronous potentials [6183](#)
- D’Orsogna M R and Chou T: Interparticle gap distributions on one-dimensional lattices [531](#)
- Dowker J S: Determinants on lens spaces and cyclotomic units [1049](#)
- Dowker J S: The hybrid spectral problem and Robin boundary conditions [4735](#)
- Dragović V and Radnović M: Cayley-type conditions for billiards within k quadrics in

- \mathbb{R}^d 7927
- Dragovich B and Dugić M: On decoherence in noncommutative plane with perpendicular magnetic field 6603
- Drissi L B: *see* Belhaj A 6405
- Du J, Ju C and Li H: Quantum entanglement helps in improving economic efficiency 1559
- Du J: *see* Qin G 4247
- Ducati G C: *see* De Leo S 3443
- Dufey F and Lin S H: Multiple scales analysis of Hamiltonians with short-range potentials 3857
- Dugić M: *see* Dragovich B 6603
- Dullin H R, Robbins J M, Waalkens H, Creagh S C and Tanner G: Maslov indices and monodromy L443
- Dunne G V and Khemani V: (2 + 1)-dimensional Georgi–Glashow instantons in the Weyl gauge 7577
- Dunne G V and Khemani V: Numerical investigation of monopole chains 9359
- Dürr D, Goldstein S, Tumulka R and Zanghì N: Bell-type quantum field theories R1
- Dürr D: *see* Römer S 8421
- Durt T: About mutually unbiased bases in even and odd prime power dimensions 5267
- Dutt R: *see* Bhaduri R K L183
- Dutta S and Kumar Roy S: Persistence exponents and scaling in two-dimensional XY model and a nematic model 5859
- Ebrahimi-Fard K and Kreimer D: The Hopf algebra approach to Feynman diagram calculations R385
- El-Orany F A A: The revival–collapse phenomenon in the higher-order fluctuations of quadrature field components of the multiphoton Jaynes–Cummings model 5557
- Elezović-Hadžić S: *see* Stajić J 5677
- Elliott J P and Evans J A: Some properties of the five-dimensional surface harmonics 5507
- Endrejat J and Büttner H: Entanglement measurement with discrete multiple-coin quantum walks 9289
- Engelbrecht J: *see* Janno J 5159
- Enolskii V Z: *see* Yuzbashyan E A 7831
- Erickson D W, Pruessner G, Schmittmann B and Zia R K P: Spurious phase in a model for traffic on a bridge L659
- Ericsson Å: Geodesics and the best measurement for distinguishing quantum states L725
- Erzan A: *see* Mungan M 9599
- Escudero J G and García J G: Non-periodic tessellations with unit and non-unit Pisot inflation factors 6525
- Esposito G, Gilkey P and Kirsten K: Heat kernel coefficients for chiral bag boundary conditions 2259
- Estévez P G and Prada J: Hodograph transformations for a Camassa–Holm hierarchy in 2 + 1 dimensions 1287
- Estrada R and Fulling S A: How singular functions define distributions 7785
- Etzioni Y: *see* Cohen D 9699
- Evangelou S N: Critical level-spacing distribution for general boundary conditions 363
- Evans J A: *see* Elliott J P 5507
- Evans M R and Hanney T: Nonequilibrium statistical mechanics of the zero-range process and related models R195
- Evans R M L: Detailed balance has a counterpart in non-equilibrium steady states 293
- Evans W D and Solomyak M: Smilansky’s model of irreversible quantum graphs: I. The absolutely continuous spectrum 4611
- Evans W D and Solomyak M: Smilansky’s model of irreversible quantum graphs: II. The point spectrum 7661
- Exner P: An isoperimetric problem for point interactions 4795
- Exner P: Sufficient conditions for the anti-Zeno effect L449
- Exner P and Kondej S: Scattering by local deformations of a straight leaky wire 4865
- Exner P and Zagrebnov V A: Bose–Einstein condensation in geometrically deformed tubes L463
- Fairlie D B and Nuyts J: Fock space representations for non-Hermitian Hamiltonians 3611
- Fakhri H and Taqavi M: The various versions of Bell’s inequality: an alternative proof 5565
- Falomir H and Pisani P A G: Self-adjoint extensions and SUSY breaking in supersymmetric quantum mechanics 4665
- Fan E G: N -fold Darboux transformation and soliton solutions for a nonlinear Dirac system 1063
- Fan H-y, Hu H-p and Tang X-b: Invariant eigenoperators and energy gap for some Hamiltonians describing photonic nonlinear interaction 4391
- Fan Hongyi: *see* Jing Sicong 8409
- Fang J-Y: *see* Li J-F 9297
- Fang T: *see* Jin Y 3733
- Fannes M, Haegeman B and Vanpeteghem D: Robustness of dynamical entropy 2103
- Fefelov O: *see* Anghel D-V 9405
- Feldman M, Ha S-Y and Slemrod M: Exact self-similar solutions for the two-dimensional plasma-ion sheath system 7197
- Fendler B, Sknepnek R and Vojta T: Dynamics at a smeared phase transition 2349
- Fendley P, Schoutens K and van Eerten H: Hard squares with negative activity 315

- Fernández C, Palma G and Prado H: Resonances for Hamiltonians with a delta perturbation in one dimension [7509](#)
- Fernández M: *see* Luque B [1031](#)
- Ferrari P L and Spohn H: A determinantal formula for the GOE Tracy–Widom distribution [L557](#)
- Fialowski A and de Montigny M: Deformations and contractions of Lie algebras [6335](#)
- Field C M, Nijhoff F W and Capel H W: Exact solutions of quantum mappings from the lattice KdV as multi-dimensional operator difference equations [9503](#)
- Figari R and Teta A: A one-dimensional model for ionization induced by scattering with a heavy particle [4947](#)
- Figari R: *see* Cacciapuoti C [4933](#)
- Filliger R and Hongler M-O: Relative entropy and efficiency measure for diffusion-mediated transport processes [1247](#)
- Flandrin P: *see* Borgnat P [2081](#)
- Flitney A P and Abbott D: Quantum games with decoherence [449](#)
- Flores-Hidalgo G and Milla Y W: Dressed (renormalized) coordinates in a nonlinear system [7527](#)
- Foerster A: *see* Tonel A P [1235](#)
- Foerster A: *see* Tonel A P [6879](#)
- Formański S and Przanowski M: \ast -SDYM fields and heavenly spaces: I. \ast -SDYM equations as an integrable system [4399](#)
- Formański S and Przanowski M: \ast -SDYM fields and heavenly spaces: II. Reductions of the \ast -SDYM system [9371](#)
- Forsberg B: *see* Kjellander R [5405](#)
- Fortin J-F, Jacob P and Mathieu P: $SM(2, 4\kappa)$ fermionic characters and restricted jagged partitions [1699](#)
- Fortin J-Y: Asymptotic behaviour of the density of states on a random lattice [L57](#)
- Fortin J-Y: *see* Clusel M [2849](#)
- Fosco C D and Torroba G: Planar field theories with space-dependent noncommutativity [3695](#)
- Frahm H: *see* Göhmann F [10879](#)
- Franchini F and Abanov A G: Asymptotics of Toeplitz determinants and the emptiness formation probability for the XY spin chain [5069](#)
- Franco D H T: On the Borchers class of a non-commutative field [5799](#)
- Franco R: *see* Buonsante P [8393](#)
- Frank T D: Stationary distributions of stochastic processes described by a linear neutral delay differential equation [L485](#)
- Frank T D: *see* Patanarapeelert K [10069](#)
- Friedrich R: *see* Patanarapeelert K [10069](#)
- Frittelli S: Estimates for first-order homogeneous linear characteristic problems [4209](#)
- Frusawa H: Functional–integral approach to Coulomb fluids in the strong coupling limit [L121](#)
- Fujita N: *see* Niizeki K [L199](#)
- Fukuda M: Extending additivity from symmetric to asymmetric channels [L753](#)
- Fulling S A: *see* Bondurant J D [1505](#)
- Fulling S A: *see* Estrada R [7785](#)
- Furlani E P: Temporal instability of viscous liquid microjets with spatially varying surface tension [263](#)
- Furs A N, Galynsky V M and Barkovsky L M: Surface polaritons in symmetry planes of biaxial crystals [8083](#)
- Fyodorov Y V, Savin D V and Sommers H-J: Scattering, reflection and impedance of waves in chaotic and disordered systems with absorption [10731](#)
- Gaberdiel M R: *see* Brunner I [7901](#)
- Galetti D: *see* Ruzzi M [6239](#)
- Galperin Y M: *see* Anghel D-V [9405](#)
- Galynsky V M: *see* Furs A N [8083](#)
- Gambassi A: *see* Calabrese P [R133](#)
- Gandarias M L: *see* Conte R [1187](#)
- Gangopadhyay S: *see* Banerjee R [957](#)
- Gangopadhyay S: *see* Scholtz F G [9849](#)
- Gao Lei and Ma Yu: Enhanced group velocity in composite media of particles with non-spherical shape or shape distribution [7765](#)
- Gao T, Yan F L and Wang Z X: Deterministic secure direct communication using GHZ states and swapping quantum entanglement [5761](#)
- García J G: *see* Escudero J G [6525](#)
- García del Moral M P: *see* Belhaj A [2773](#)
- García-Pelayo R: Distribution of distance in the spheroid [3475](#)
- García-Rfo E: *see* Chaichi M [841](#)
- Garidi T, Huguet E and Renaud J: Krein space quantization in curved and flat spacetimes [245](#)
- Gaviot E: *see* Bêche B [10057](#)
- Gegenhasi: *see* Zhao J-X [1113](#)
- Gehring G A: *see* Ahmed M R [4047](#)
- Genack A Z and Chabanov A A: Signatures of photon localization [10465](#)
- George A: The massive Klein–Gordon field coupled to a harmonic oscillator at the boundary [7399](#)
- Geralico A: *see* Bini D [1163](#)
- Gerry C C: Infinite statistics and the $SU(1, 1)$ phase operator [L213](#)
- Gerry C C, Albert J and Benmoussa A: Dark states of two-mode quantized fields in two-channel models: competing k - and l -photon processes [1333](#)

- Geyer H B: *see* Heiss W D 1843
- Ghafari F E: *see* Jafarpour F H 4579
- Ghanmi A: Euclidean limit of L^2 -spectral properties of the Pauli Hamiltonians on constant curvature Riemann surfaces 1917
- Ghosh P K: Exactly solvable non-Hermitian Jaynes–Cummings-type Hamiltonian admitting entirely real spectra from supersymmetry 7313
- Giachetta G: *see* Bashkirov D 5329
- Giachetti R and Sorace E: Two fermion relativistic bound states 1345
- Giachetti R: *see* Barducci A 1615
- Gilding B H and Kersner R: A Fisher/KPP-type equation with density-dependent diffusion and convection: travelling-wave solutions 3367
- Gilkey P, Kirsten K and Park J-H: Eta invariants with spectral boundary conditions 8103
- Gilkey P: *see* Esposito G 2259
- Gill T L and Zachary W W: Analytic representation of the square-root operator 2479
- Gill T L, Zachary W W and Alfred M: Analytic representation of the Dirac equation 6955
- Giménez M C, Nieto F and Ramírez-Pastor A J: Thermal percolation for interacting monomers adsorbed on square lattices 3253
- Gimsa U: *see* Iglić A 8527
- Giovannetti V: A dynamical model for quantum memory channels 10989
- Giovannetti V: *see* Burgarth D 6793
- Giraud B G: Constrained orthogonal polynomials 7299
- Giraud O: Finite geometries and diffractive orbits in isospectral billiards L477
- Girotti H O: *see* Bemfica F S L539
- Gitman D M and Tyutin I V: General quadratic gauge theory: constraint structure, symmetries and physical functions 5581
- Glasser M L and Lamb G: A lattice spanning-tree entropy function L471
- Glasser M L and Nieto L M: Solvable quantum two-body problem: entanglement L455
- Glasser M L: *see* Boersma J 1687
- Gnutzmann S, Smilansky U and Sondergaard N: Resolving isospectral ‘drums’ by counting nodal domains 8921
- Godrèche C, Levine E and Mukamel D: Condensation and coexistence in a two-species driven model L523
- Godrèche C and Luck J M: Dynamics of the condensate in zero-range processes 7215
- Göhmann F, Bortz M and Frahm H: Surface free energy for systems with integrable boundary conditions 10879
- Göhmann F, Klümper A and Seel A: Integral representation of the density matrix of the XXZ chain at finite temperatures 1833
- Goldstein S, Taylor J, Tumulka R and Zanghì N: Are all particles identical? 1567
- Goldstein S: *see* Dürr D R1
- Golinelli O and Mallick K: Spectral gap of the totally asymmetric exclusion process at arbitrary filling 1419
- Golovin S V: Singular vortex in magnetohydrodynamics 4501
- Golovin S V: Invariant solutions of the singular vortex in magnetohydrodynamics 8169
- Golovko V A: Quantum effects in many-body gravitating systems 6431
- Gomes J F: *see* Aratyn H 9341
- Gomes M A M and Landim R R: Duality and field redefinition in three dimensions 257
- Gómez F J and Sesma J: Quantum anharmonic oscillators: a new approach 3193
- Gómez-Ullate D, Kamran N and Milson R: Quasi-exact solvability and the direct approach to invariant subspaces 2005
- Gómez-Ullate D: *see* Calogero F 8873
- Gonnella G: *see* Corberi F 3883
- Gonos P and Bray A J: Persistence in systems with conserved order parameter 1427
- Gonos P: *see* Bray A J 5617
- González-López A and Tanaka T: A novel multi-parameter family of quantum systems with partially broken \mathcal{N} -fold supersymmetry 5133
- Gonzalo Muga J: *see* del Campo A 9803
- Gorenflo R: *see* Chechkin A V L679
- Gorin T: Random matrix description of decaying quantum systems 10805
- Goswami D: Adiabatic quantum computing with phase modulated laser pulses L615
- Goswami G, Mukherjee B and Chandra Bag B: Coloured thermal noise-driven dynamical system: upper bound of time derivative of information entropy 1659
- Gould M D and Lekatsas T: Some twisted results 10123
- Govaerts J: *see* Scholtz F G 9849
- Govinder K S: *see* Hansraj S 4419
- Grabowski J, Kuś M and Marmo G: Geometry of quantum systems: density states and entanglement 10217
- Gràcia X and Martín R: Regularity and symmetries of nonholonomic systems 1071
- Gracia-Saz A: *see* Cargo M 1977
- Graffi S: *see* Caliceti E 185
- Graham R: *see* Mieck B L139
- Grammaticos B: *see* Willox R 5227
- Grangeat P: *see* Nguyen M K 8003
- Grassberger P: Simulations of grafted polymers in a good solvent 323
- Grassberger P: *see* Hsu H-P 775
- Grosche C: Path integral solutions for deformed Pöschl–Teller-like and conditionally solvable

- potentials [2947](#)
- Grosche C: Path integration on Hermitian hyperbolic space [3625](#)
- Grosjean A: *see* Killingbeck J P [L695](#)
- Grübl G: *see* Ruggenthaler M [8445](#)
- Gruppuso A: Newton's law in an effective non-commutative space-time [2039](#)
- Guan X W: *see* Batchelor M T [7787](#)
- Guedes I: *see* Pedrosa I A [7757](#)
- Guerrero J: *see* Aldaya V [6939](#)
- Guhr T: *see* Kohler H [9891](#)
- Gutter E: *see* Bouttier J [4529](#)
- Gulácsi Z: *see* Kovács E [10273](#)
- Guo F and Zhang Y: The quadratic-form identity for constructing the Hamiltonian structure of integrable systems [8537](#)
- Guo-Fu Yu: *see* Hu X-B [195](#)
- Gupta A K and Katiyar V K: Analyses of shock waves and jams in traffic flow [4069](#)
- Gurarie V and Levinson J: Spectra of pinned charge density waves with background current [4085](#)
- Gusso A: *see* Rego L G C [L639](#)
- Guttmann A J, Parviainen R and Rechnitzer A: Self-avoiding walks and trails on the 3.12^2 lattice [543](#)
- Guttmann A J: *see* Bousquet-Mélou M [9159](#)
- Güven J: Conformally invariant bending energy for hypersurfaces [7943](#)
- Güven J: *see* Capovilla R [2593](#)
- Güven J: *see* Capovilla R [8201](#)
- Güven J: *see* Capovilla R [8841](#)
- Ha K-C and Kye S-H: Construction of $3 \otimes 3$ entangled edge states with positive partial transposes [9039](#)
- Ha S-Y: *see* Feldman M [7197](#)
- Haba Z: Quantum field theory on manifolds with a boundary [10393](#)
- Hackenbroich G: Statistical theory of multimode random lasers [10537](#)
- Haegeman B: *see* Fannes M [2103](#)
- Hai W: *see* Li Y [4105](#)
- Hainzl C, Lewin M and Séré E: Self-consistent solution for the polarized vacuum in a no-photon QED model [4483](#)
- Halburd R G: Diophantine integrability [L263](#)
- Hall R L and Lucha W: Schrödinger upper bounds to semirelativistic eigenvalues [7997](#)
- Hall R L: *see* Ciftci H [1147](#)
- Hallerberg S, Just W and Radons G: Analytic properties of the Ruelle ζ -function for mean field models of phase transition [5097](#)
- Hallnäs M, Langmann E and Pauffer C: Generalized local interactions in 1D: solutions of quantum many-body systems describing distinguishable particles [4957](#)
- Hamilton I P: *see* Mosna R A [3869](#)
- Hammaoui D, Schieber G and Tahri E H: Higher Coxeter graphs associated with affine $su(3)$ modular invariants [8259](#)
- Hanney T: *see* Evans M R [R195](#)
- Hansen J P: *see* Sørensen T [6977](#)
- Hansraj S, Maharaj S D, Msomi A M and Govinder K S: Lie symmetries for equations in conformal geometries [4419](#)
- Harada T, Hayashi K and Sasa S-i: Exact transformation of a Langevin equation to a fluctuating response equation [3799](#)
- Harayama T: *see* Okada Y [6675](#)
- Harayama T: *see* Okada Y [L163](#)
- Hariton A J and Hussin V: Invariant solutions of a supersymmetric fluid model [6803](#)
- Harmer M: Inverse scattering on matrices with boundary conditions [4875](#)
- Haro J: Moving mirrors and the black-body spectrum [L307](#)
- Harsoula M: *see* Contopoulos G [8897](#)
- Hasenbusch M: The two-dimensional XY model at the transition temperature: a high-precision Monte Carlo study [5869](#)
- Hassan M: *see* Saleem U [9241](#)
- Hassani S: *see* Bouamra M [7957](#)
- Hassani S: *see* Zenine N [1875](#)
- Hassani S: *see* Zenine N [4149](#)
- Hassani S: *see* Zenine N [9439](#)
- Hatchett J P L: *see* Coolen A C C [8289](#)
- Hawker D and Ashwin P: Classification of robust heteroclinic cycles for vector fields in \mathbb{R}^3 with symmetry [8319](#)
- Hayakawa H: *see* Mitsudo T [3087](#)
- Hayashi K: *see* Harada T [3799](#)
- Haydock D: Lattice Boltzmann simulations of the time-averaged forces on a cylinder in a sound field [3265](#)
- Haydock D: Calculation of the radiation force on a cylinder in a standing wave acoustic field [3279](#)
- He Y, Cao Z and Shen Q: Analytical formula of the transmission probabilities across arbitrary potential barriers [5771](#)
- Hegedű Ás: Nonlinear integral equations for finite volume excited-state energies of the $O(3)$ and $O(4)$ nonlinear σ -models [5345](#)
- Heinonen T: *see* Carmeli C [5253](#)
- Heiss W D, Scholtz F G and Geyer H B: The large N behaviour of the Lipkin model and exceptional points [1843](#)
- Hemmati M: *see* Rezaei-Aghdam A [3981](#)
- Hemming S, Kawai S and Keski-Vakkuri E: Coulomb-gas formulation of $SU(2)$ branes and chiral blocks [5809](#)
- Henkel M: *see* Baumann F [6623](#)
- Herbut F: A quantum measure of coherence and incompatibility [2959](#)
- Herikstad R: *see* Bentsen V S [9575](#)

- Herranz F J: *see* Ballesteros A 7129
- Herrero C P: Kinetic growth walks on complex networks 4349
- Herrmann H J: *see* Soares D J B L413
- Heydari H: Concurrence classes for general pure multipartite states 8667
- Heydari H: Concurrence classes for an arbitrary multi-qubit state based on a positive operator valued measure 11007
- Heydari H and Björk G: Complex multi-projective variety and entanglement 3203
- Hitchon W N G and Wichaidit C: The suitability of discretized fluid equations to describe breakdown at atmospheric pressure 6841
- Hohouéto A L: V-admissibility, Poincaré group and Sturmian-based vector coherent states 10935
- Hone A N W: *see* Sen A 9751
- Hongler M-O: *see* Filliger R 1247
- Hoodbhoy P: The Casimir effect upon a single plate 10253
- Hook D W: *see* Bender C M L607
- Hopcraft K I: *see* Jakeman E 6447
- Horbatsch M: *see* Ackad E 3157
- Hörhammer C and Büttner H: Thermodynamics of quantum Brownian motion with internal degrees of freedom: the role of entanglement in the strong-coupling quantum regime 7325
- Hou Z: *see* Deng S 1691
- Hou Z: *see* Wang M 145
- Houkonnou M N and Sodoga K: Generalized coherent states for associated hypergeometric-type functions 7851
- Houkonnou M N, Sodoga K and Azatassou E S: Factorization of Sturm–Liouville operators: solvable potentials and underlying algebraic structure 371
- Hove J: The number of link and cluster states: the core of the 2D q state Potts model 10893
- Howard M: *see* Täuber U C R79
- Howard P J, Mota-Furtado F, O’Mahony P F and Uski V: Statistics of resonances for a class of billiards on the Poincaré half-plane 10829
- Høye J S: *see* Bentsen V S 9575
- Hsu H-P, Nadler W and Grassberger P: Simulations of lattice animals and trees 775
- Hu B: *see* Liu S 3057
- Hu H-p: *see* Fan H-y 4391
- Hu X-B, Li C-X, Nimmo J J C and Guo-Fu Yu: An integrable symmetric (2+1)-dimensional Lotka–Volterra equation and a family of its solutions 195
- Hu X-B: *see* Liu Q P 6371
- Hu X-B: *see* Zhao J-X 1113
- Huang C-J: *see* Li J-F 4459
- Huang Y: *see* Yang X-S 4175
- Huddell W B III and Hughes R J: Smooth approximation of finitely many relativistic point interactions 4803
- Hughes R J: *see* Huddell W B III 4803
- Huguet E: *see* Garidi T 245
- Hul O, Tymoshchuk O, Bauch S, Koch P M and Sirko L: Experimental investigation of Wigner’s reaction matrix for irregular graphs with absorption 10489
- Hüller A: *see* Behringer H 973
- Hulpke and D BrußF: A two-way algorithm for the entanglement problem 5573
- Humi M: Dilatations and factorizable equations 6351
- Hussin V: *see* Hariton A J 6803
- Hwang C-C: *see* Cheng C-J 929
- Hwang T-W and Tsai H-J: Uniqueness of limit cycles in theoretical models of certain oscillating chemical reactions 8211
- Hydon P E: *see* Bridges T J 1403
- Iglič A, Babnik B, Gimsa U and Kralj-Iglič V: On the role of membrane anisotropy in the beading transition of undulated tubular membrane structures 8527
- Igonin S A: Miura type transformations and homogeneous spaces 4433
- Iliev G, Rechnitzer A and Whittington S G: Localization of random copolymers and the Morita approximation 1209
- Imai H: *see* Avis D 10971
- Inomata A: *see* Thaik M 1767
- Ioffe M V and Valinevich P A: New two-dimensional quantum models partially solvable by the supersymmetrical approach 2497
- Ippoliti E: *see* Adler S L 2715
- Ippoliti E: *see* Bassi A 8017
- Iqbal A: Playing games with EPR-type experiments 9551
- Irimia A: Electric field and potential calculation for a bioelectric current dipole in an ellipsoid 8123
- Ishio H: *see* Berry M V L513
- Ishkhanyan A: Incomplete beta-function expansions of the solutions to the confluent Heun equation L491
- Ishkhanyan A, Javanainen J and Nakamura H: A basic two-state model for bosonic field theories with a cubic nonlinearity 3505
- Ito T: *see* Avis D 10971
- Its A R, Jin B-Q and Korepin V E: Entanglement in the XY spin chain 2975
- Iucci A and Naón C: A non-covariant fermionic determinant and its connection to Luttinger systems 749
- Ivanova N M: *see* Popovych R O 3145
- Iwai T and Yamaoka H: Stratified reduction of classical many-body systems with symmetry 2415

- Iwai T and Yamaoka H: Stratified dynamical systems and their boundary behaviour for three bodies in space, with insight into small vibrations [5709](#)
- Izrailev F M and Makarov N M: Anomalous transport in low-dimensional systems with correlated disorder [10613](#)
- Jacob P and Mathieu P: Parafermionic derivation of Andrews-type multiple sums [8225](#)
- Jacob P: *see* Fortin J-F [1699](#)
- Jacquod P: *see* Schomerus H [10663](#)
- Jafarpour F H, Ghafari F E and Masharian S R: Exact shock profile for the ASEP with sublattice-parallel update [4579](#)
- Jain S: *see* Rebollo-Neira L [L293](#)
- Jakeman E, Hopcraft K I and Matthews J O: Fluctuations in a coupled population model [6447](#)
- Jakubský V: *see* Znojil M [5041](#)
- Janke W: *see* Weigel M [7067](#)
- Janno J and Engelbrecht J: Solitary waves in nonlinear microstructured materials [5159](#)
- Janse van Rensburg E J: Adsorbing bargraph paths in a q -wedge [8505](#)
- Janse van Rensburg E J, Orlandini E, Owczarek A L, Rechnitzer A and Whittington S G: Self-avoiding walks in a slab with attractive walls [L823](#)
- Janse van Rensburg E J and Ye L: Forces in square lattice directed paths in a wedge [8493](#)
- Janse van Rensburg E J: *see* Ma J [4115](#)
- Janutka A: Polaron formation in a medium of damped excitations [4685](#)
- Jarvis P D, Bashford J D and Sumner J G: Path integral formulation and Feynman rules for phylogenetic branching models [9621](#)
- Jarvis P D, Kijowski J and Rudolph G: On the structure of the observable algebra of QCD on the lattice [5359](#)
- Jarvis P D and Zhang R B: Resolution of the $GL(3)$ (3) state labelling problem via the $O(3)$ -invariant Bethe subalgebra of the twisted Yangian [L219](#)
- Jarzynski C: Lag inequality for birth–death processes with time-dependent rates [L227](#)
- Jaubert L: *see* de Aguiar M A M [4645](#)
- Javanainen J: *see* Ishkhanyan A [3505](#)
- Jensen I: Low-density series expansions for directed percolation: IV. Temporal disorder [1441](#)
- Jensen I: Perimeter generating functions for the mean-squared radius of gyration of convex polygons [L769](#)
- Jensen I: *see* Bousquet-Mélou M [9159](#)
- Jex I: *see* Novotný J [9087](#)
- Jiang Q: *see* Zhou R [7735](#)
- Jiang Y: Dirac equations in $n + 1$ dimensions [1157](#)
- Jiang Z-F: *see* Li J-F [4459](#)
- Jiang Z-F: *see* Li J-F [9297](#)
- Jimbo M: *see* Boos H [7629](#)
- Jin B-Q: *see* Its A R [2975](#)
- Jin Y, Xu W, Xu M and Fang T: Stochastic resonance in linear system due to dichotomous noise modulated by bias signal [3733](#)
- Jing S and Silvestrov S D: A new kind of two-parameter deformation of Heisenberg and parabose algebras and related deformed derivative [1711](#)
- Jing Sicong, Liu Qiu-Yu and Fan Hongyi: Entangled state representations in non-commutative space and their applications [8409](#)
- Jolicard G: *see* Killingbeck J P [L695](#)
- Jones H F: On pseudo-Hermitian Hamiltonians and their Hermitian counterparts [1741](#)
- Jørgensen P E T, Proskurin D P and Samoilenko Y S: On C^* -algebras generated by pairs of q -commuting isometries [2669](#)
- Joshi N and Lafortune S: How to detect integrability in cellular automata [L499](#)
- Ju C: *see* Du J [1559](#)
- Jung C, Orellana-Rivadeneira G and Luna-Acosta G A: Reconstruction of the chaotic set from classical cross section data [567](#)
- Just W: *see* Hallerberg S [5097](#)
- Kabakçoglu A: *see* Mungan M [9599](#)
- Kahng B: *see* Rodgers G J [9431](#)
- Kaiser G: Making electromagnetic wavelets: II. Spheroidal shell antennas [495](#)
- Kajiwara K and Mukaihira A: Soliton solutions for the non-autonomous discrete-time Toda lattice equation [6363](#)
- Kalugin P: Cohomology of quasiperiodic patterns and matching rules [3115](#)
- Kamran N: *see* Gómez-Ullate D [2005](#)
- Kaptsov O V and Zablude A V: Characteristic invariants and Darboux's method [3133](#)
- Kara A H and Khalique C M: Nonlinear evolution-type equations and their exact solutions using inverse variational methods [4629](#)
- Karasev M V and Osborn T A: Cotangent bundle quantization: entangling of metric and magnetic field [8549](#)
- Karelin M: Purity-bounded uncertainty relations in multidimensional space—generalized purity [6393](#)
- Karmakar R and Manna S S: Sandpile model on an optimized scale-free network on Euclidean space [L87](#)
- Katiyar V K: *see* Gupta A K [4069](#)
- Katkevičius O: *see* Castillo Alcarás J A [7501](#)

- Kaul R K: *see* Yoo J [10307](#)
- Kaushal R S: The diffusion–reaction (D–R) Hamiltonian and the solutions of certain types of linear and nonlinear D–R equations in one dimension [3897](#)
- Kawai S: *see* Hemming S [5809](#)
- Kawai T: *see* Aoki T [3317](#)
- Kearney M J and Majumdar S N: On the area under a continuous time Brownian motion till its first-passage time [4097](#)
- Kedem R: *see* Ardonne E [617](#)
- Kedem R: *see* Ardonne E [9183](#)
- Kellendonk J and Zois I: Rotation numbers, boundary forces and gap labelling [3937](#)
- Kerimov G A: Models with $SL(2, C)$ symmetry and their S -matrices [1931](#)
- Kersner R: *see* Gilding B H [3367](#)
- Keski-Vakkuri E: *see* Hemming S [5809](#)
- Kevrekidis P G: *see* Dmitriev S V [7617](#)
- Khalique C M: *see* Kara A H [4629](#)
- Khare A, Rasmussen K Ø, Samuelsen M R and Saxena A: Exact solutions of the saturable discrete nonlinear Schrödinger equation [00807](#)
- Khemani V: *see* Dunne G V [7577](#)
- Khemani V: *see* Dunne G V [9359](#)
- Khrennikov A: A pre-quantum classical statistical model with infinite-dimensional phase space [9051](#)
- Kierfeld J and Lipowsky R: Duality mapping and unbinding transitions of semiflexible and directed polymers [L155](#)
- Kijowski J: *see* Jarvis P D [5359](#)
- Killingbeck J P, Grosjean A and Jolicard G: A complex variable form of the HEG technique [L695](#)
- Kim B J and Choi M Y: Entropic sampling dynamics of the globally coupled kinetic Ising model [2115](#)
- Kim D: *see* Rodgers G J [9431](#)
- Kim H K: *see* Kwon C [5627](#)
- Kim H: *see* Chang-Young E [4255](#)
- Kim Y S: *see* Başkal S [6545](#)
- Kirillov O N, Mailybaev A A and Seyranian A P: Unfolding of eigenvalue surfaces near a diabolic point due to a complex perturbation [5531](#)
- Kirillov O N: *see* Seyranian A P [1723](#)
- Kirk J E: *see* Rozenfeld H D [4589](#)
- Kirsten K: *see* Esposito G [2259](#)
- Kirsten K: *see* Gilkey P [8103](#)
- Kiss T: *see* Novotný J [9087](#)
- Kitajima S: *see* Ban M [4235](#)
- Kitajima S: *see* Ban M [7161](#)
- Kitanine N, Maillet J M, Slavnov N A and Terras V: On the spin–spin correlation functions of the XXZ spin- $\frac{1}{2}$ infinite chain [7441](#)
- Kjellander R and Forsberg B: Ionic fluids with r^{-6} pair interactions have power-law electrostatic screening [5405](#)
- Klafter J: *see* Bénichou O [7205](#)
- Klauder J R: *see* Song D-Y [5837](#)
- Klimov A B, Sánchez-Soto L L and de Guise H: Multicomplementary operators via finite Fourier transform [2747](#)
- Klimyk A U: On position and momentum operators in the q -oscillator [4447](#)
- Klümper A: *see* Göhmann F [1833](#)
- Kobayashi R: *see* Chadan K [1133](#)
- Koch P M: *see* Bhullar A S [L563](#)
- Koch P M: *see* Hul O [10489](#)
- Kodama Y and Pelinovsky D: Spectral stability and time evolution of N -solitons in the KdV hierarchy [6129](#)
- Kohler H and Guhr T: Supersymmetric extensions of Calogero–Moser–Sutherland-like models: construction and some solutions [9891](#)
- Komarov I V and Tsiganov A V: On a trajectory isomorphism of the Kowalevski gyrostat and the Clebsch problem [2917](#)
- Komatsu T: *see* Nishiyama S [6759](#)
- Kondej S: *see* Exner P [4865](#)
- Konno N, Masuda N, Roy R and Sarkar A: Rigorous results on the threshold network model [6277](#)
- Korepin V E: Optimization of partial search [L731](#)
- Korepin V E: *see* Its A R [2975](#)
- Korff C: A Q -operator identity for the correlation functions of the infinite XXZ spin-chain [6641](#)
- Korff C: Auxiliary matrices on both sides of the equator [47](#)
- Korsch H J: *see* Mossmann S [3381](#)
- Korsch H J: *see* Witthaut D [1777](#)
- Kościk P and Okopińska A: Application of the Fröbenius method to the Schrödinger equation for a spherically symmetric potential: an anharmonic oscillator [7743](#)
- Koshmanenko V: Construction of singular perturbations by the method of rigged Hilbert spaces [4999](#)
- Kotanjyan A S: *see* Saharian A A [4275](#)
- Kottos T: Statistics of resonances and delay times in random media: beyond random matrix theory [10761](#)
- Koukouloyannis V and MacKay R S: Existence and stability of 3-site breathers in a triangular lattice [1021](#)
- Kovács E and Gulácsi Z: Four electrons in a two-leg Hubbard ladder: exact ground states [10273](#)
- Kowalski K and Rembieliński J: Coherent states of a charged particle in a uniform magnetic field [8247](#)
- Koyama S and Shinomoto S: Empirical Bayes interpretations of random point events [L531](#)

- Krainov V P: *see* Reiss H R 527
- Kralj-Iglič V: *see* Iglič A 8527
- Kramer P: An invariant operator due to F Klein quantizes H Poincaré's dodecahedral 3-manifold 3517
- Kramer T and Moshinsky M: Tunnelling out of a time-dependent well 5993
- Krapivsky P L: *see* Ben-Naim E L417
- Krasta T: *see* Castilho Alcarás J A 7501
- Kravchenko V V: On the reduction of the multidimensional stationary Schrödinger equation to a first-order equation and its relation to the pseudoanalytic function theory 851
- Kravchenko V V: On a relation of pseudoanalytic function theory to the two-dimensional stationary Schrödinger equation and Taylor series in formal powers for its solutions 3947
- Kravchenko V V: *see* Castañeda A 9207
- Kreidl S: Bohmian transmission and reflection dwell times without trajectory sampling 5293
- Kreidl S: *see* Ruggenthaler M 8445
- Kreimer D: *see* Ebrahimi-Fard K R385
- Kriel J N, Morozov A Y and Scholtz F G: Non-perturbative flow equations from continuous unitary transformations 205
- Krupková O and Volný P: Euler–Lagrange and Hamilton equations for non-holonomic systems in field theory 8715
- Kuchment P: Quantum graphs: II. Some spectral properties of quantum and combinatorial graphs 4887
- Kuhl U, Stöckmann H-J and Weaver R: Classical wave experiments on chaotic scattering 10433
- Kumar A: *see* Athalye V 8239
- Kumar C N: *see* Raju T S L271
- Kumar Roy S: *see* Dutta S 5859
- Kuperin Yu A: *see* Avdonin S A 4825
- Kupriyanov V G, Lyakhovich S L and Sharapov A A: Deformation quantization of linear dissipative systems 8039
- Kupsch J: *see* Banerjee S 5237
- Kurak V and Lima-Santos A: The $A_2^{(2)}$ Gaudin model and its associated Knizhnik–Zamolodchikov equation 333
- Kurak V and Lima-Santos A: Algebraic Bethe ansatz solutions for the $sl(2|1)^{(2)}$ and $osp(2|1)$ models with boundary terms 2359
- Kurasov P and Nowaczyk M: Inverse spectral problem for quantum graphs 4901
- Kuś M: *see* Grabowski J 10217
- Kutz J N: *see* Bradley R M 1901
- Kuzhel S: *see* Albeverio S 4975
- Kuznetsov V B: *see* Yuzbashyan E A 7831
- Kuznetsova Z, Popowicz Z and Toppan F: The $sl(2n|2n)^{(1)}$ super-Toda lattices and the heavenly equations as continuum limit 7773
- Kwon C and Kim H K: Anti-pairing in learning of a neural network with redundant hidden units 5627
- Kye S-H: *see* Ha K-C 9039
- Lafortune S: *see* Joshi N L499
- Lafuente L and Cuesta J A: Cluster density functional theory for lattice models based on the theory of Möbius functions 7461
- Laha U: An integral transform of the Coulomb Green's function and off-shell scattering 6141
- Lakhtakia A and Mackay T G: Reply to 'Comment on "Towards gravitationally assisted negative refraction of light by vacuum"' 2545
- Lakshmanan M: *see* Radha R 9649
- Lakshminarayan A: Shuffling cards, factoring numbers and the quantum baker's map L597
- Lamb G: *see* Glasser M L L471
- Lamura A: *see* Corberi F 3883
- Landim R R: *see* Gomes M A M 257
- Langerock B: *see* Mestdag T 1097
- Langmann E: *see* Hallnäs M 4957
- Larecki W: *see* Banach Z 8781
- Lashin E I: *see* Alhendi H A 6785
- Latimer D C: Quantizing the damped harmonic oscillator 2021
- Leach P G L: The solution of some quantum nonlinear oscillators with the common symmetry group $SL(2, R)$ 1543
- Leach P G L: *see* Andriopoulos K 4365
- Leach P G L: *see* Sebawe Abdalla M 881
- Leach P G L: *see* Sebawe Abdalla M 2819
- Lebowitz J L: *see* Rokhlenko A 8681
- Lechner G: On the existence of local observables in theories with a factorizing S -matrix 3045
- Lee C: *see* Batchelor M T 7787
- Lee D-S: Nonlinear Kelvin–Helmholtz instability of fluid layers with mass and heat transfer 2803
- Lee H K and Okabe Y: Nonequilibrium reweighting on the driven diffusive lattice gas L241
- Lee N-C: *see* Chen Y-T 2623
- Lekatsas T: *see* Gould M D 10123
- Lenells J: Conservation laws of the Camassa–Holm equation 869
- Leonel E D and McClintock P V E: A crisis in the dissipative Fermi accelerator model L425
- Leonel E D and McClintock P V E: A hybrid Fermi–Ulam-bouncer model 823
- Leschke H, Warzel S and Weichlein A: Ballistic transport in random magnetic fields with anisotropic long-ranged correlations L235
- Letellier C: *see* Aguirre L A 6311
- Lévay P: On the geometry of a class of N -qubit entanglement monotones 9075

- Levi D: Multiple-scale analysis of discrete nonlinear partial difference equations: the reduction of the lattice potential KdV 7677
- Levine E: *see* Godrèche C L523
- Levinsen J: *see* Gurarie V 4085
- Lewin M: *see* Hainzl C 4483
- Li C and Maini P K: An evolving network model with community structure 9741
- Li C-W: *see* Zhang J 6587
- Li C-X and Ohta Y: Gram-type pfaffian solution to the coupled discrete KP equation 1089
- Li C-X: *see* Hu X-B 195
- Li H: *see* Du J 1559
- Li H: *see* Yang X-S 4175
- Li H-B: *see* Wang X 8703
- Li H-J: *see* Ruan H-Y 3995
- Li J-F, Jiang Z-F, Xiao F-L and Huang C-J: A general solution for the dynamics of a generalized non-degenerate optical parametric down-conversion interaction by virtue of the Lewis–Riesenfeld invariant theory 4459
- Li J-F, Xiao F-L, Jiang Z-F and Fang J-Y: The time evolution and the quantum fluctuation for two forced quantum oscillators with mixing of two modes 9297
- Li L and Meurice Y: A tractable example of perturbation theory with a field cutoff: the anharmonic oscillator 8139
- Li M: *see* Li W 7543
- Li R: *see* Zhang D 8861
- Li S-S: *see* Bai Y-K 8633
- Li W, Li M, Li Y, Wen X, Yuan G, Zhang C and Yang T: Spectrum structure and coherent state of the two-particle Calogero–Sutherland model: an application of the pseudo-angular-momentum operator method 7543
- Li Y and Hai W: Three-body recombination in two coupled Bose–Einstein condensates 4105
- Li Y-Q: *see* Wang X 8703
- Li Y: *see* Dai H-H L685
- Li Y: *see* Li W 7543
- Liao T-L: *see* Cheng C-J 929
- Liliana Insua G: *see* Cáceres M O 3711
- Lim Y L and Beige A: Photon polarization entanglement from distant dipole sources L7
- Lima R: *see* Benzekri T 5381
- Lima-Santos A: *see* Kurak V 333
- Lima-Santos A: *see* Kurak V 2359
- Lin B and Chen J: Optimal analysis of the performance of an irreversible quantum heat engine with spin systems 69
- Lin S H: *see* Dufey F 3857
- Links J: *see* Tonel A P 1235
- Links J: *see* Tonel A P 6879
- Lipowsky R: *see* Kierfeld J L155
- Littlejohn R G: *see* Cargo M 1977
- Liu Q P and Hu X-B: Bilinearization of $N = 1$ supersymmetric Korteweg–de Vries equation revisited 6371
- Liu Qiu-Yu: *see* Jing Sicong 8409
- Liu S, Wang X, Hu B, Wang L and Liu Y: The structure of a two-dimensional magnetic dusty plasma 3057
- Liu T: *see* Yeo Y 3235
- Liu X and Zeng Y: On the Toda lattice equation with self-consistent sources 8951
- Liu X-S: *see* Zhang J 6587
- Liu Y: *see* Liu S 3057
- Llibre J and Valls C: Formal and analytic integrability of the Lorenz system 2681
- Llibre J and Valls C: Formal and analytic first integrals of the Einstein–Yang–Mills equations 8155
- Lloyd S: Entanglement and off-diagonal long-range order of an η -pairing state 5285
- Lo Presti P: *see* Mauro D’Ariano G 5979
- Lodi D, Maioli M and Sacchetti A: Dynamical localization for two-level systems periodically driven L23
- Lohe M A and Thilagam A: Weyl-ordered polynomials in fractional-dimensional quantum mechanics 461
- Lombard R J: *see* Al-Jaber S M 4637
- Lombardi M: *see* Matzkin A 6211
- López-Carrera B: *see* Ares de Parga G 2821
- López-Mobilia R and Nash P L: Discrete approximation of the radial contribution to the Schrödinger time evolution operator in three-dimensional Euclidean space 227
- Lou S Y and Ma H-C: Non-Lie symmetry groups of (2+1)-dimensional nonlinear systems obtained from a simple direct method L129
- Lou S Y: *see* Radha R 9649
- Lou S Y: *see* Tang X Y 10361
- Loubenets E R: Class of bipartite quantum states satisfying the original Bell inequality L653
- Löwe M and Vermet F: The storage capacity of the Blume–Emery–Griffiths neural network 3483
- Loya P and Park J: ζ -determinants of Laplacians with Neumann and Dirichlet boundary conditions 8967
- Lu X and Tervola P: Transient heat conduction in the composite slab-analytical method 81
- Lu X, Tervola P and Viljanen M: A new analytical method to solve the heat equation for a multi-dimensional composite slab 2873
- Lu X, Tervola P and Viljanen M: A novel and efficient analytical method for calculation of the transient temperature field in a multi-dimensional composite slab 8337
- Lu X, Tervola P and Viljanen M: An efficient analytical solution to transient heat conduction in a one-dimensional hollow composite cylinder 10145
- Lu Y-E: *see* Yeo Y 3235

- Lü K and Wang J: Construction of Sturmian sequences 2891
- Lucha W: *see* Hall R L 7997
- Luck J M: On the statistics of superlocalized states in self-affine disordered potentials 987
- Luck J M: *see* Godrèche C 7215
- Luna-Acosta G A: *see* Jung C 567
- Lunari A: *see* Bini D 1163
- Luo H-G: *see* An J-H 3579
- Luo S: On survival probability of quantum states 2991
- Lupo C, Man'ko V I, Marmo G and Sudarshan E C G: Partial scaling transform of multiqubit states as a criterion of separability 10377
- Luque B, Ballesteros F J and Fernández M: Variances as order parameter and complexity measure for random Boolean networks 1031
- Lushnikov A A: Exact particle mass spectrum in a gelling system L35
- Lushnikov A A: Sol-gel transition in a coagulating mixture L383
- Lushnikov A A: Time evolution of a random graph L777
- Lyakhovich S L: *see* Kupriyanov V G 8039
- Lyalinov M A: Generalized Sommerfeld integral and diffraction in an angle-shaped domain with a radial perturbation L707
- Lyubartsev A P: Simulation of excited states and the sign problem in the path integral Monte Carlo method 6659
- Živić I, Milošević S and Djordjević B: On the total number of distinct self-interacting self-avoiding walks on three-dimensional fractal structures 555
- Ma H-C: *see* Lou S Y L129
- Ma J and Janse van Rensburg E J: Rectangular vesicles in three dimensions 4115
- Ma X S, Wang A M, Yang X D and You H: Entanglement dynamics and decoherence of three-qubit system in a fermionic environment 2761
- Ma Yu: *see* Gao Lei 7765
- Maamache M: *see* Bencheikh K 7989
- MacKay R S: *see* Koukouloyannis V 1021
- Mackay T G: *see* Lakhtakia A 2545
- Madsen L B: *see* Sørenvik T 6977
- Maes C and van Wieren M H: Thermoelectric phenomena via an interacting particle system 1005
- Maghari A and Tahmasbi N: Scattering properties for a solvable model with a three-dimensional separable potential of rank 2 4469
- Magnasco V: *see* Battezzati M 6715
- Maharaj S D: *see* Hansraj S 4419
- Maillard J-M: *see* Bouamra M 7957
- Maillard J-M: *see* Zenine N 1875
- Maillard J-M: *see* Zenine N 4149
- Maillard J-M: *see* Zenine N 9439
- Maillet J M: *see* Kitanine N 7441
- Mailybaev A A: *see* Kirillov O N 5531
- Mailybaev A A: *see* Seyranian A P 1723
- Maini P K: *see* Li C 9741
- Maioli M: *see* Lodi D L23
- Majumdar A, Robbins J M and Zyskin M: Elastic energy of liquid crystals in convex polyhedra 7595
- Majumdar S N: *see* Kearney M J 4097
- Makarov N M: *see* Izrailev F M 10613
- Makowski A J: Comment on 'Vortex structure of quantum eigenstates and classical periodic orbits in two-dimensional harmonic oscillators' 2299
- Mallick K and Marcq P: A nonlinear oscillator with parametric coloured noise: some analytical results 5913
- Mallick K: *see* Golinelli O 1419
- Maltsev A Ya: Weakly nonlocal symplectic structures, Whitham method and weakly nonlocal symplectic structures of hydrodynamic type 637
- Man'ko V I: *see* Amosov G G 2173
- Man'ko V I: *see* Lupo C 10377
- Mangazeev V V: *see* Bazhanov V V L145
- Mangiarotti L: *see* Bashkirov D 5329
- Mann A, Revzen M and Zak J: Conjugate variables in finite phase plane L389
- Manna S S: *see* Karmakar R L87
- Mansour Z S: *see* Annaby M H 3775
- Manton N S: Superevolution 6065
- Mantzaris N V: Transient and asymptotic behaviour of the binary breakage problem 5111
- March N H: *see* Capuzzi P L439
- Marchioli M A: *see* Mendonça P E M F L95
- Marchioli M A: *see* Ruzzi M 6239
- Marcone B, Orlandini E, Stella A L and Zonta F: What is the length of a knot in a polymer? L15
- Marcq P: *see* Mallick K 5913
- Marenduzzo D, Micheletti C, Seyed-allaei H, Trovato A and Maritan A: Continuum model for polymers with finite thickness L277
- Maria Mariano P: Migration of substructures in complex fluids 6823
- Maritan A: *see* Marenduzzo D L277
- Marklund M: Radiation transport in diffractive media 4265
- Marmo G, Scolarici G, Simoni A and Ventriglia F: Alternative structures and bi-Hamiltonian systems on a Hilbert space 3813
- Marmo G: *see* Agrotis M A 6327
- Marmo G: *see* Grabowski J 10217
- Marmo G: *see* Lupo C 10377
- Marrero J C: *see* de León M R241

- Martín R: *see* Gràcia X 1071
- Martínez E: Classical field theory on Lie algebroids: variational aspects 7145
- Martínez E: *see* de León M R241
- Martínez-Mares M and Méndez-Sánchez R A: Interpolation formula for the reflection coefficient distribution of absorbing chaotic cavities in the presence of time reversal symmetry 10873
- Martínez-y-Romero R P, Núñez-Yépez H N and Salas-Brito A L: An $su(1, 1)$ algebraic method for the hydrogen atom 8579
- Martinez D F: High-order harmonic generation and dynamic localization in a driven two-level system, a non-perturbative solution using the Floquet–Green formalism 9979
- Maruyama K, Brukner Č and Vedral V: Thermodynamical cost of accessing quantum information 07175
- Masáková Z, Patera J and Zich J: Classification of Voronoi and Delone tiles of quasicrystals: III. Decagonal acceptance window of any size 1947
- Masharian S R: *see* Jafarpour F H 4579
- Masuda N: *see* Konno N 6277
- Masuda T: The anti-self-dual Yang–Mills equation and classical transcendental solutions to the Painlevé II and IV equations 6741
- Mathieu P: *see* Fortin J-F 1699
- Mathieu P: *see* Jacob P 8225
- Mathur M: Harmonic oscillator pre-potentials in $SU(2)$ lattice gauge theory 10015
- Mathur M and Paul S K: Coherent states with $SU(2)$ and $SU(3)$ charges 7863
- Matsumoto K: *see* Tsuda Y 1593
- Matthews J O: *see* Jakeman E 6447
- Matzkin A and Lombardi M: Quantum and semiclassical phase functions for the quantization of symmetric oscillators 6211
- Mauro D’Ariano G, Lo Presti P and Perinotti P: Classical randomness in quantum measurements 5979
- McCall M W: Comment on ‘Towards gravitationally assisted negative refraction of light by vacuum’ 2543
- McClintock P V E: *see* Leonel E D 823
- McClintock P V E: *see* Leonel E D L425
- McKay B: *see* Pavičić M 1577
- McKay B: *see* Pavicic M 3709
- McPhedran R C, Nicorovici N A and Botten L C: Schlömilch series and grating sums 8353
- Megill N D: *see* Pavičić M 1577
- Megill N D: *see* Pavicic M 3709
- Mendes A C R, Neves C, Oliveira W and Takakura F I: Hidden symmetries in (relativistic) hydrodynamics 8747
- Mendes A C R, Neves C, Oliveira W and Takakura F I: Supersymmetrization of radiation damping 9387
- Mendes T: *see* Cucchieri A 4561
- Méndez-Sánchez R A: *see* Martínez-Mares M 10873
- Mendonça P E M F, Marchioli M A and R d J Napolitano: Using continuous measurement to protect a universal set of quantum gates within a perturbed decoherence-free subspace L95
- Merlet J-P: *see* Pavičić M 1577
- Merlet J-P: *see* Pavicic M 3709
- Mestdag T: Lagrangian reduction by stages for non-holonomic systems in a Lie algebroid framework 10157
- Mestdag T and Langerock B: A Lie algebroid framework for non-holonomic systems 1097
- Meurice Y: *see* Li L 8139
- Michaelis B: *see* Beenakker C W J 10639
- Micheletti C: *see* Marenduzzo D L277
- Mieck B and Graham R: Bose–Einstein condensate of kicked rotators with time-dependent interaction L139
- Mikhailov A V, Novikov V S and Wang J P: Partially integrable nonlinear equations with one higher symmetry L337
- Milla Y W: *see* Flores-Hidalgo G 7527
- Miller A R: A summation formula for Clausen’s series ${}_3F_2(1)$ with an application to Goursat’s function ${}_2F_2(x)$ 3541
- Millican-Slater A: *see* Dorey P 1305
- Milošević S: *see* Živić I 555
- Milson R: *see* Gómez-Ullate D 2005
- Mimura K and Okada M: Generating functional analysis of CDMA detection dynamics 9917
- Miniatura C: *see* Müller C A 7807
- Mintchev M: *see* Caudrelier V 3431
- Miranian L: Matrix-valued orthogonal polynomials on the real line: some extensions of the classical theory 5731
- Miranian L: On classical orthogonal polynomials and differential operators 6379
- Miri M F and Stark H: Modelling light transport in dry foams by a coarse-grained persistent random walk 3743
- Mitri F G: Acoustic radiation force on cylindrical shells in a plane standing wave 9395
- Mitsudo T and Hayakawa H: Synchronization of kinks in the two-lane totally asymmetric simple exclusion process with open boundary conditions 3087
- Miwa T: *see* Boos H 7629
- Miyazaki K and Reichman D R: Mode-coupling theory and the fluctuation–dissipation theorem for nonlinear Langevin equations with multiplicative noise L343
- Mizrahi S S: *see* Daboul J 427
- Mizrahi S S: *see* Dodonov A V 683
- Monaco R, Pandolfi Bianchi M and Soares A J:

- BGK-type models in strong reaction and kinetic chemical equilibrium regimes 10413
- Monou M: *see* Bender C M 2179
- Montambaux G: *see* Müller C A 7807
- Montambaux G: *see* Texier C 3455
- Montorsi A: *see* Anfossi A 4519
- Moore M A: The stability of the replica-symmetric state in finite-dimensional spin glasses L783
- Moore M A: *see* Yeo J 4027
- Moreau M: *see* Bénichou O 7205
- Moretti P: Propagator for narrow potential barriers 4697
- Moroianu S: *see* Cotăescu I I 7005
- Morozov A Y: *see* Kriel J N 205
- Moser T: *see* Römer S 8421
- Moshinsky M: *see* Kramer T 5993
- Mosna R A, Hamilton I P and Delle Site L: Quantum–classical correspondence via a deformed kinetic operator 3869
- Mossmann S, Schulze A, Witthaut D and Korsch H J: Two-dimensional Bloch oscillations: a Lie-algebraic approach 3381
- Mossmann S: *see* Witthaut D 1777
- Mostafazadeh A: Pseudo-Hermitian description of \mathcal{PT} -symmetric systems defined on a complex contour 3213
- Mostafazadeh A: \mathcal{PT} -symmetric cubic anharmonic oscillator as a physical model 6557
- Mostafazadeh A: \mathcal{PT} -symmetric cubic anharmonic oscillator as a physical model 8185
- Mota-Furtado F: *see* Howard P J 10829
- Mota-Furtado F: *see* Uski V 10819
- Mouayn Z: Coherent states attached to Landau levels on the Poincaré disc 9309
- Mouchet A: A differential method for bounding the ground state energy 1039
- Moustakas A L and Simon S H: Random matrix theory of multi-antenna communications: the Ricean channel 10859
- Mrugała R: Structure group $U(n) \times 1$ in thermodynamics 10905
- Msomi A M: *see* Hansraj S 4419
- Muga J G: *see* Ruschhaupt A L171
- Mukaihira A: *see* Kajiwara K 6363
- Mukamel D: *see* Godrèche C L523
- Mukheimer A: *see* Barakat T 1299
- Mukherjee B: *see* Goswami G 1659
- Mukherji S and Bhattacharjee S M: Nonequilibrium criticality at shock formation in steady states L285
- Mulak J and Mulak M: On standardization of crystal-field Hamiltonians parametrization: triclinic symmetry case 6081
- Mulak M: *see* Mulak J 6081
- Müller C A, Miniatura C, Akkermans E and Montambaux G: Mesoscopic scattering of spin s particles 7807
- Müller J and Altland A: Field theory approach to quantum interference in chaotic systems 3097
- Müller-Hoissen F: *see* Dimakis A 5453
- Mundarain D: *see* Orszag M 6571
- Mungan M, Kabakçoglu A, Balcan D and Erzan A: Analytical solution of a stochastic content-based network model 9599
- Murthy G: *see* Rozhkov I 10843
- Mustafa M T: A non-existence result for compact Einstein warped products L791
- Muzykantskii B A: *see* Ancliff M 5751
- Myhr G O: *see* Brevik I L49
- Nadler W: *see* Hsu H-P 775
- Nagasawa T, Sakamoto M and Takenaga K: Extended supersymmetry and its reduction on a circle with point singularities 8053
- Nakamura H: *see* Ishkhanyan A 3505
- Naón C: *see* Iucci A 749
- Napiórkowski M: *see* Nowakowski P 5885
- Napolitano R d J: *see* Mendonça P E M F L95
- Nash P L: *see* López-Mobilia R 227
- Naud F: Classical and quantum lifetimes on some non-compact Riemann surfaces 10721
- Navrátil O: *see* Č Burdík 1533
- Nayak C: *see* Shtengel K L589
- Neate A D and Truman A: A one-dimensional analysis of real and complex turbulence and the Maxwell set for the stochastic Burgers equation 7093
- Neri F M: *see* Burioni R 3065
- Nesterenko V V: *see* Bordag M 11027
- Nettleton R E: Validity of RPA for the initial state in the time evolution of a fluid 3651
- Neves C: *see* Mendes A C R 8747
- Neves C: *see* Mendes A C R 9387
- Neyzi F, Nutku Y and Sheftel M B: Multi-Hamiltonian structure of Plebanski's second heavenly equation 8473
- Ng Y J and van Dam H: Neutrix calculus and finite quantum field theory L317
- Nguyen M K, Truong T T and Grangeat P: Radon transforms on a class of cones with fixed axis direction 8003
- Nickel B: Comment on 'The Fuchsian differential equation of the square lattice Ising model $\chi^{(3)}$ susceptibility' 4517
- Nicolini P: A model of radiating black hole in noncommutative geometry L631
- Nicorovici N A: *see* McPhedran R C 8353
- Nieto F: *see* Giménez M C 3253
- Nieto J A: *see* Villanueva V M 7183
- Nieto L M: *see* Bencheikh K 7989
- Nieto L M: *see* Glasser M L L455
- Niizeki K and Fujita N: Superquasicrystals: self-similar-ordered structures with

- non-crystallographic point symmetries [L199](#)
- Nijhoff F W: *see* Field C M [9503](#)
- Nijhoff F: *see* Tongas A [895](#)
- Nikoletopoulos T: *see* Coolen A C C [8289](#)
- Nimmo J J C: *see* Hu X-B [195](#)
- Nishimori H: *see* Takeda K [3751](#)
- Nishiyama S, da Providência J and Komatsu T:
The RPA equation embedded into
infinite-dimensional Fock space F_∞ [6759](#)
- Nitschke M C: *see* Schwalm W [9565](#)
- Niu W-Q, Wang A M, You H and Yang X:
All-versus-nothing nonlocality for two
photons from different sources [3879](#)
- Nobe A: Periodic multiwave solutions to the
Toda-type cellular automaton [L715](#)
- Nogami Y: *see* Coutinho F A B [4989](#)
- Nogami Y: *see* Coutinho F A B [L519](#)
- Noja D and Posilicano A: Wave equations with
concentrated nonlinearities [5011](#)
- Nonnenmacher S and Zworski M: Fractal Weyl
laws in discrete models of chaotic
scattering [10683](#)
- Nouicer Kh: Casimir effect in the presence of
minimal lengths [10027](#)
- Novikov V S: *see* Mikhailov A V [L337](#)
- Novitsky A V and Barkovsky L M: Operator
matrices for describing guiding propagation
in circular bianisotropic fibres [391](#)
- Novotný J, Štefaňák M, Kiss T and Jex I: Control
of entanglement in Ising-type networks with
one and two excitations [9087](#)
- Nowaczyk M: *see* Kurasov P [4901](#)
- Nowakowski P and Napiórkowski M: The RSOS
model of wetting of a chemically
inhomogeneous, periodic substrate [5885](#)
- Núñez M: Bounds on the growth of the magnetic
energy for the Hall kinematic dynamo
equation [7921](#)
- Núñez-Yépez H N: *see*
Martínez-y-Romero R P [8579](#)
- Nutku Y: *see* Neyzi F [8473](#)
- Nuyts J: *see* Fairlie D B [3611](#)
- O'Mahony P F: *see* Howard P J [10829](#)
- O'Mahony P F: *see* Uski V [10819](#)
- Oelkers N: *see* Batchelor M T [7787](#)
- Ögren M: *see* Brack M [9941](#)
- Ohta Y: *see* Li C-X [1089](#)
- Okabe Y: *see* Lee H K [L241](#)
- Okada M: *see* Mimura K [9917](#)
- Okada Y, Shudo A, Tasaki S and Harayama T:
'Can one hear the shape of a drum?':
revisited [L163](#)
- Okada Y, Shudo A, Tasaki S and Harayama T: On
the boundary element method for billiards
with corners [6675](#)
- Okopińska A: *see* Kościk P [7743](#)
- Oldano C: *see* Avendaño C G [8821](#)
- Oliveira W: *see* Mendes A C R [8747](#)
- Oliveira W: *see* Mendes A C R [9387](#)
- Oliveri F and Speciale M P: Exact solutions to the
ideal magneto-gas-dynamics equations
through Lie group analysis and substitution
principles [8803](#)
- Orellana-Rivadeneira G: *see* Jung C [567](#)
- Orlandini E, Tesi M C and Whittington S G: A
self-avoiding walk model of random
copolymer adsorption [3473](#)
- Orlandini E, Tesi M C and Whittington S G:
Entanglement complexity of semiflexible
lattice polygons [L795](#)
- Orlandini E: *see* Janse van Rensburg E J [L823](#)
- Orlandini E: *see* Marcone B [L15](#)
- Orszag M and Mundarain D: Continuous
teleportation of the photon statistics of
squeezed states [6571](#)
- Osborn T A: *see* Karasev M V [8549](#)
- Oshanin G: *see* Bénichou O [7205](#)
- Ostili M and Presilla C: Exact Monte Carlo time
dynamics in many-body lattice quantum
systems [405](#)
- Oteo J A and Ros J: Iterative approach to the
exponential representation of the
time-displacement operator [4223](#)
- Oteo J A and Ros J: A fractal set from the binary
reflected Gray code [8935](#)
- Owczarek A L: *see* Brak R [4309](#)
- Owczarek A L: *see* Janse van Rensburg E J [L823](#)
- Ozorio de Almeida A M, Vallejos R O and
Saraceno M: Pure state correlations: chords
in phase space [1473](#)
- Pakuliak S: *see* von Gehlen G [7269](#)
- Palaniappan D: Classical image treatment of a
geometry composed of a circular conductor
partially merged in a dielectric cylinder and
related problems in electrostatics [6253](#)
- Palma G: *see* Fernández C [7509](#)
- Pan G: *see* Zhang D [8861](#)
- Pandolfi Bianchi M: *see* Monaco R [10413](#)
- Panigrahi P K: *see* Raju T S [L271](#)
- Panigrahi P K: *see* Roy U [9115](#)
- Pankrashkin K: Reducible boundary conditions in
coupled channels [8979](#)
- Pankrashkin K: *see* Albeverio S [4859](#)
- Paraoanu Gh-S and Stanescu T D: Self-duality
and periodicity at finite filling fraction [2785](#)
- Parisio F and de Aguiar M A M: A regular
semiclassical approximation for the
propagation of wave packets with complex
trajectories [9317](#)
- Parisio Fernando: *see* de Aguiar M A M [4645](#)
- Park H: *see* Anton L [8187](#)
- Park J-H: *see* Gilkey P [8103](#)
- Park J: *see* Loya P [8967](#)
- Park S-C: *see* Anton L [8187](#)

- Park Y, Sheetlin S and Spouge J L: Accelerated convergence and robust asymptotic regression of the Gumbel scale parameter for gapped sequence alignment [97](#)
- Parviainen R: *see* Guttman A J [543](#)
- Parwani R R: Information measures for inferring quantum mechanics [6231](#)
- Patanarapeelert K, Frank T D, Friedrich R and Tang I M: On reducible nonlinear time-delayed stochastic systems: fluctuation–dissipation relations, transitions to bistability, and secondary transitions to non-stationarity [10069](#)
- Patera J: *see* Masáková Z [1947](#)
- Patil S H: The bifurcated harmonic oscillator [4705](#)
- Pauffler C: *see* Hallnäs M [4957](#)
- Paul S K: *see* Mathur M [7863](#)
- Pavičić M, Merlet J-P, McKay B and Megill N D: Kochen–Specker vectors [1577](#)
- Pavicic M, Merlet J-P, McKay B and Megill N D: Kochen–Specker vectors [3709](#)
- Pavlov B and Antoniou I: Jump-start in the analytic perturbation procedure for the Friedrichs model [4811](#)
- Pavlov M V: The Gurevich–Zybin system [3823](#)
- Pedrosa I A, Rosas A and Guedes I: Exact quantum motion of a particle trapped by oscillating fields [7757](#)
- Pegoraro F: *see* Ceccherini F [4597](#)
- Pehlivan Y: *see* Balantekin A B [5697](#)
- Pelinovsky D: *see* Kodama Y [6129](#)
- Pelizzola A: Cluster variation method in statistical physics and probabilistic graphical models [R309](#)
- Penna V: *see* Buonsante P [8393](#)
- Perelomov A M: Motion of four-dimensional rigid body around a fixed point: an elementary approach I [L801](#)
- Pérez Castillo I: *see* Coolen A C C [8289](#)
- Pérez Vicente C J: *see* Coolen A C C [8289](#)
- Perinotti P: *see* Mauro D’Ariano G [5979](#)
- Perkowski M: *see* Yang G [9689](#)
- Peschel I: Entanglement entropy with interface defects [4327](#)
- Petruccione F: *see* Bellomo B [10203](#)
- Piette B, Zakrzewski W J and Brand J: Scattering of topological solitons on holes and barriers [10403](#)
- Pilipovic S: *see* Atanackovic T M [6703](#)
- Piroux G and Ruelle P: Boundary height fields in the Abelian sandpile model [1451](#)
- Pirozhenko I G: *see* Bordag M [11027](#)
- Pisani P A G: *see* Falomir H [4665](#)
- Pittenger A O and Rubin M H: Wigner functions and separability for finite systems [6005](#)
- Pleimling M: *see* Baumann F [6623](#)
- Pleimling M: *see* Behringer H [973](#)
- Podlaski K: *see* Caban P [L79](#)
- Polianski M L: *see* Büttiker M [10559](#)
- Ponti S: *see* Avendaño C G [8821](#)
- Popov T: *see* Aneva B [6473](#)
- Popovych R O and Ivanova N M: Potential equivalence transformations for nonlinear diffusion–convection equations [3145](#)
- Popowicz Z: *see* Kuznetsova Z [7773](#)
- Posilicano A: *see* Noja D [5011](#)
- Post O: Branched quantum wave guides with Dirichlet boundary conditions: the decoupling case [4917](#)
- Prada J: *see* Estévez P G [1287](#)
- Prado H: *see* Fernández C [7509](#)
- Prado R A: *see* de Oliveira C R [L115](#)
- Prados A and Brey J J: Adsorption of a binary mixture of monomers with nearest neighbour cooperative effects [7051](#)
- Prange R E: Resurgence in quasi-classical scattering [10703](#)
- Presilla C: *see* Ostilli M [405](#)
- Prodan E: Symmetry breaking in the self-consistent Kohn–Sham equations [5647](#)
- Proskurin D P: *see* Jørgensen P E T [2669](#)
- Pruessner G: *see* Chen Y [L191](#)
- Pruessner G: *see* Erickson D W [L659](#)
- Prusty M: *see* Schanz H [10085](#)
- Przanowski M: *see* Formański S [4399](#)
- Przanowski M: *see* Formański S [9371](#)
- Przeszowski J A: Light-front gauge invariant formulation and electromagnetic duality [7021](#)
- Pulé J V, Verbeure A F and Zagrebnov V A: Models with recoil for Bose–Einstein condensation and superradiance [5173](#)
- Pupasov A M: *see* Samsonov B F [7557](#)
- Qin G, Chen X, Sun M and Du J: Quantum Bertrand duopoly of incomplete information [4247](#)
- Quesne C and Tkachuk V M: Dirac oscillator with nonzero minimal uncertainty in position [1747](#)
- Quesne C: *see* Bagchi B [2929](#)
- Quesne C: *see* Bagchi B [L647](#)
- Quispel G R W, Capel H W and Roberts J A G: Duality for discrete integrable systems [3965](#)
- Radha R, Senthil Kumar C, Lakshmanan M, Tang X Y and Lou S Y: Periodic and localized solutions of the long wave–short wave resonance interaction equation [9649](#)
- Radnović M: *see* Dragović V [7927](#)
- Radons G: *see* Hallerberg S [5097](#)
- Ragnisco O: *see* Ballesteros A [7129](#)
- Ragoucy E: *see* Caudrelier V [2241](#)
- Ragoucy E: *see* Caudrelier V [3431](#)
- Raikh M E: *see* Apalkov V M [10545](#)
- Raju T S, Kumar C N and Panigrahi P K: On exact solitary wave solutions of the nonlinear Schrödinger equation with a source [L271](#)

- Ramani A: *see* Willox R 5227
- Ramirez-Pastor A J: *see* Giménez M C 3253
- Rao T V: Capacity of the circular plate condenser: analytical solutions for large gaps between the plates 10037
- Rasmussen J: *see* Belhaj A 6405
- Rastkar A R: *see* Rezaei-Aghdam A 3981
- Razmi H: Is the Clauser–Horne model of Bell’s theorem completely stochastic? 3661
- Rebollo-Neira L and Jain S: On the truncation of the harmonic oscillator wavepacket L293
- Rechnitzer A: *see* Brak R 4309
- Rechnitzer A: *see* Guttman A J 543
- Rechnitzer A: *see* Iliev G 1209
- Rechnitzer A: *see* Janse van Rensburg E J L823
- Redner S: *see* Antal T 2555
- Redner S: *see* Chen P 7239
- Redner S: *see* Sood V 109
- Rego L G C, Gusso A and da Luz M G E: Anomalous quantum chaotic behaviour in suspended electromechanical nanostructures L639
- Reich S: *see* Bridges T J 1403
- Reichman D R: *see* Miyazaki K L343
- Reimann S M: *see* Brack M 9941
- Reinsch M W: *see* Cargo M 1977
- Reis P: *see* Schwalm W 9565
- Reiss H R and Krainov V P: Further ‘Comment on ‘Generalized Bessel functions in tunnelling ionization’’ 527
- Rembieliński J: *see* Caban P L79
- Rembieliński J: *see* Kowalski K 8247
- Renaud J: *see* Garidi T 245
- Reutova N M: *see* Borisov V V 2225
- Revzen M: *see* Mann A L389
- Reyes J A: *see* Avendaño C G 8821
- Rezaei-Aghdam A, Hemmati M and Rastkar A R: Classification of real three-dimensional Lie bialgebras and their Poisson–Lie groups 3981
- Ribeiro A D: *see* de Aguiar M A M 4645
- Richert J: *see* Baumann F 6623
- Richmond B: *see* Carteret H A 8641
- Rittenberg V: *see* Alcaraz F C L809
- Rizzo T: TAP complexity, the cavity method and supersymmetry 3287
- Roan S-S: Chiral Potts rapidity curve descended from six-vertex model and symmetry group of rapidities 7483
- Robbins J M and Zyskin M: Classification of unit-vector fields in convex polyhedra with tangent boundary conditions 7597
- Robbins J M: *see* Dullin H R L443
- Robbins J M: *see* Majumdar A 7595
- Roberts J A G: *see* Quispel G R W 3965
- Rodgers G J, Austin K, Kahng B and Kim D: Eigenvalue spectra of complex networks 9431
- Rojas E: *see* Capovilla R 8201
- Rojas E: *see* Capovilla R 8841
- Rokhlenko A and Lebowitz J L: Excitation and ionization of a simple two-level system by a harmonic force 8681
- Romano R: Impact of positivity and complete positivity on accessibility of Markovian dynamics 9105
- Romão N M: Gauged vortices in a background 9127
- Römer S, Dürr D and Moser T: Asymptotic behaviour of Bohmian trajectories in scattering situations 8421
- Ros J: *see* Oteo J A 4223
- Ros J: *see* Oteo J A 8935
- Rosas A: *see* Pedrosa I A 7757
- Rosensteel G: Mean field theory for $usp(4) \simeq so(5)$ 9221
- Rotter I: *see* Sadreev A F 10647
- Rowe D J: An algebraic approach to problems with polynomial Hamiltonians on Euclidean spaces 10181
- Rowe K D and Siemens P J: Unusual quantum effects in scattering wavefunctions of two-dimensional cage potentials 9821
- Rowlands G: *see* Chapman S C 2289
- Roy A K, Thakkar A J and Deb B M: Low-lying states of two-dimensional double-well potentials 2189
- Roy B and Roy P: \mathcal{PT} -symmetric effective mass Schrödinger equations 11019
- Roy P: *see* Roy B 11019
- Roy P: *see* Samsonov B F L249
- Roy R: *see* Konno N 6277
- Roy U, Banerji J and Panigrahi P K: Coherent states of the Pöschl–Teller potential and their revival dynamics 9115
- Roychoudhury R: *see* Bagchi B L647
- Rozenfeld H D, Kirk J E, Bollt E M and ben-Avraham D: Statistics of cycles: how loopy is your network? 4589
- Rozhkov I and Murthy G: Ballistic dynamics of a convex smooth-wall billiard with finite escape rate along the boundary 10843
- Ruan H-Y, Li H-J and Chen Y-X: The application of the extending symmetry group approach in optical soliton communication 3995
- Rubin M H: *see* Pittenger A O 6005
- Rudolph G: *see* Jarvis P D 5359
- Ruelle P: *see* Piroux G 1451
- Ruggenthaler M, Grübl G and Kreidl S: Times of arrival: Bohm beats Kijowski 8445
- Ruggeri T and Sugiyama M: Hyperbolicity, convexity and shock waves in one-dimensional crystalline solids 4337
- Ruiz L: *see* Villanueva V M 7183
- Ruschhaupt A, Delgado F and Muga J G: Physical realization of \mathcal{PT} -symmetric potential scattering in a planar slab waveguide L171

- Ruskai M B: *see* Datta N 9785
- Ruža J: *see* Castilho Alcarás J A 7501
- Ruzzi M, Marchioli M A and Galetti D: Extended Cahill–Glauber formalism for finite-dimensional spaces: I. Fundamentals 6239
- Rybin A V, Vadeiko I P and Bishop A R: Stopping a slow-light soliton: an exact solution L177
- Rybin A V, Vadeiko I P and Bishop A R: Driving slow-light solitons by a controlling laser field L357
- Saad N: *see* Ciftci H 1147
- Sacchetti A: *see* Adami R 8379
- Sacchetti A: *see* Lodi D L23
- Sadgrove M: *see* Wimberger S 10549
- Sadreev A F and Berggren K-F: Signatures of quantum chaos in complex wavefunctions describing open billiards 10787
- Sadreev A F, Bulgakov E N and Rotter I: *S*-matrix formalism of transmission through two quantum billiards coupled by a waveguide 10647
- Safouhi H: Analytical and numerical development for the two-centre overlap-like quantum similarity integrals over Slater-type functions 7341
- Saharian A A and Kotanjyan A S: Synchrotron radiation from a charge moving along a helical orbit inside a dielectric cylinder 4275
- Saharian A A and Tarloyan A S: Whightman function and scalar Casimir densities for a wedge with a cylindrical boundary 8763
- Saidi E H: *see* Ait Ben Haddou M 1793
- Saidi E H: *see* Belhaj A 721
- Saidi E H: *see* Belhaj A 6405
- Sakamoto M: *see* Nagasawa T 8053
- Sakhr J: *see* Bhaduri R K L183
- Saksida P: Maxwell–Bloch equations, C Neumann system and Kaluza–Klein theory 10321
- Salas-Brito A L: *see* Martínez-y-Romero R P 8579
- Saleem U, Hassan M and Siddiq M: Conserved quantities in the noncommutative principal chiral model with Wess–Zumino term 9241
- Salgado J J: *see* Donoso J M 9145
- Samoilenko Y S: *see* Jørgensen P E T 2669
- Samsonov B F: Spectral singularities of non-Hermitian Hamiltonians and SUSY transformations L571
- Samsonov B F: SUSY transformations between diagonalizable and non-diagonalizable Hamiltonians L397
- Samsonov B F and Roy P: Is the CPT norm always positive? L249
- Samsonov B F and Shamshudinova V V: Quadratic pseudosupersymmetry in two-level systems 4715
- Samsonov B F, Sukumar C V and Pupasov A M: SUSY transformation of the Green function and a trace formula 7557
- Sánchez-Moreno P, Yáñez R J and Buyarov V: Asymptotics of the information entropy of the Airy function 9969
- Sánchez-Soto L L: *see* Klimov A B 2747
- Sanders B C: *see* Berry D W L205
- Sanders B C: *see* X-G W L67
- Santachiara R and Schoutens K: Supersymmetric model of spin-1/2 fermions on a chain 5425
- Santiago J A and Zamora A: The one-loop elastic coefficients for the Helfrich membrane in higher dimensions 1225
- Santini P M: *see* Calogero F 8873
- Sanz A S: A Bohmian approach to quantum fractals 6037
- Saraceno M: *see* Ozorio de Almeida A M 1473
- Sardanashvily G: *see* Bashkirov D 5329
- Sarkar A: *see* Konno N 6277
- Sartan V V: *see* Avdonin S A 4825
- Sasa Shin-ichi: *see* Harada T 3799
- Sasaki S: *see* Aoki T 3317
- Sasaki Y: *see* Avis D 10971
- Sasamoto T: Spatial correlations of the 1D KPZ surface on a flat substrate L549
- Sasamoto T: *see* Takeda K 3751
- Satiya I I and Balakrishnan R: Spectrum of geometric phases in a driven impact oscillator 485
- Sato J and Shiroishi M: Fifth-neighbour spin–spin correlator for the anti-ferromagnetic Heisenberg chain L405
- Savin D V: *see* Fyodorov Y V 10731
- Scarfone A M: Gauge transformation of the third kind for $U(1)$ -invariant coupled Schrödinger equations 7037
- Schanz H and Prusty M: Directed chaos in a billiard chain with transversal magnetic field 10085
- Scharnhorst K: *see* van Holten J-W 10245
- Schieber G: *see* Hammaoui D 8259
- Schiller D H: *see* Appl T 6485
- Schmidt H-J: Spin systems with dimerized ground states 2123
- Schmittmann B: *see* Erickson D W L659
- Schneider D: *see* Vergini E G 587
- Scholtz F G, Chakraborty B, Gangopadhyay S and Govaerts J: Interactions and non-commutativity in quantum Hall systems 9849
- Scholtz F G: *see* Heiss W D 1843
- Scholtz F G: *see* Kriel J N 205
- Schomerus H and Jacquod P: Quantum-to-classical correspondence in open chaotic systems 10663
- Schomerus H: *see* Budini A A 9251
- Schoutens K: *see* Fendley P 315

- Schoutens K: *see* Santachiara R 5425
- Schreiber N and Adler J: Monte Carlo study of the pure and dilute Baxter–Wu model 7253
- Schulze A: *see* Mossmann S 3381
- Schulze-Halberg A: Comment on ‘Generalization of the Darboux transformation and generalized harmonic oscillators’ 5831
- Schwalm W, Nitschke M C and Reis P: Generating two-dimensional oscillator matrix elements sorted by angular momentum 9565
- Scolarici G: *see* Marmo G 3813
- Sebawe Abdalla M and Leach P G L: Wigner functions for time-dependent coupled linear oscillators via linear and quadratic invariant processes 881
- Sebawe Abdalla M and Leach P G L: Wigner functions for time-dependent coupled linear oscillators via linear and quadratic invariant processes 2819
- Sebbar A: *see* Belhaj A 6405
- Seel A: *see* Göhmann F 1833
- Segar J: *see* Aizawa N 9007
- Seifert U: *see* Speck T L581
- Selke W and Shchur L N: Critical Binder cumulant in two-dimensional anisotropic Ising models L739
- Sen A, Hone A N W and Clarkson P A: Darboux transformations and the symmetric fourth Painlevé equation 9751
- Senthil Kumar C: *see* Radha R 9649
- Séré E: *see* Hainzl C 4483
- Sergeev S: *see* von Gehlen G 7269
- Sergyeyev A: A strange recursion operator demystified L257
- Sergyeyev A: Why nonlocal recursion operators produce local symmetries: new results and applications 3397
- Sergyeyev A: *see* Błaszak M L1
- Sesma J: *see* Gómez F J 3193
- Sevim V and Arne Rikvold P: Effects of correlated interactions in a biological coevolution model with individual-based dynamics 9475
- Seyed-allaei H: *see* Marenduzzo D L277
- Seyranian A P, Kirillov O N and Mailybaev A A: Coupling of eigenvalues of complex matrices at diabolic and exceptional points 1723
- Seyranian A P: *see* Kirillov O N 5531
- Shabad A E: Special concept of a point-like nucleus with supercritical charge 7419
- Shahin G Y and Shikakhwa M S: Scalar pair production in the Aharonov–Bohm potential 759
- Shamshutdinova V V: *see* Samsonov B F 4715
- Shao Y and Zeng Y: The solutions of the NLS equations with self-consistent sources 2441
- Shapiro B: *see* Apalkov V M 10545
- Sharapov A A: *see* Kupriyanov V G 8039
- Shchesnovich V S and Cavalcanti S B: Stationary states in a system of two linearly coupled 2D NLS equations with nonlinearities of opposite signs 6917
- Shchur L N: *see* Selke W L739
- Sheetlin S: *see* Park Y 97
- Sheftel M B: *see* Neyzi F 8473
- Shen Q: *see* He Y 5771
- Shibata F: *see* Ban M 4235
- Shibata F: *see* Ban M 7161
- Shigechi K and Uchiyama M: Boxed skew plane partition and integrable phase model 10287
- Shikakhwa M S: *see* Shahin G Y 759
- Shin H J: The dark soliton on a cnoidal wave background 3307
- Shin K C: Eigenvalues of \mathcal{PT} -symmetric oscillators with polynomial potentials 6147
- Shinomoto S: *see* Koyama S L531
- Shiroishi M: *see* Sato J L405
- Shiroishi M: *see* Tsuboi Z L363
- Shmaya E: Comparison of information structures and completely positive maps 9717
- Shondin Y: On approximation of high order singular perturbations 5023
- Shtengel K, Nayak C, Bishara W and Chamon C: No sliding in time L589
- Shudo A: *see* Aoki T 3317
- Shudo A: *see* Okada Y 6675
- Shudo A: *see* Okada Y L163
- Shukla P: Voter dynamics on an Ising ladder: coarsening and persistence 5441
- Siddiq M: *see* Saleem U 9241
- Siemens P J: *see* Rowe K D 9821
- Silka M B: *see* Aratyn H 9341
- Silvas J: *see* Villanueva V M 7183
- Silvestrov S D: *see* Jing S 1711
- Simon S H: *see* Moustakas A L 10859
- Simoni A: *see* Marmo G 3813
- Sirker J: *see* Bortz M 5957
- Sirko L: *see* Hul O 10489
- Sirsi S: *see* Usha Devi A R 2525
- Sjöstrand J: *see* Caliceti E 185
- Skantzos N S: *see* Coolen A C C 8289
- Sknepnek R: *see* Fendler B 2349
- Skriudalen S: *see* Bentsen V S 9575
- Skrypnyk T: Integrable deformation of the Toda chain and quasigraded Lie algebras 9665
- Slavnov N A: *see* Kitanine N 7441
- Slemrod M: *see* Feldman M 7197
- Smilansky U: *see* Gnutzmann S 8921
- Smirnov F: *see* Boos H 7629
- Smoliński K A: *see* Caban P L79
- Snaith N C: Derivatives of random matrix characteristic polynomials with applications to elliptic curves 10345
- Šnobl L and Winternitz P: A class of solvable Lie algebras and their Casimir invariants 2687
- Soares A J: *see* Monaco R 10413
- Soares D J B, Andrade J S and Herrmann H J:

- Precise calculation of the threshold of various directed percolation models on a square lattice [L413](#)
- Sodoga K: *see* Hounkonnou M N [371](#)
- Sodoga K: *see* Hounkonnou M N [7851](#)
- Sohn R and Swanson M S: Exact coherent state transition elements for the squeezed harmonic oscillator [2511](#)
- Sokolov I M: *see* Chechkin A V [L679](#)
- Sokolovski D: *see* Thylwe K-E [5305](#)
- Soler M: *see* Donoso J M [9145](#)
- Solomyak M: *see* Evans W D [4611](#)
- Solomyak M: *see* Evans W D [7661](#)
- Sommacal M: *see* Calogero F [8873](#)
- Sommers H-J: *see* Fyodorov Y V [10731](#)
- Sondergaard N: *see* Gnutzmann S [8921](#)
- Song D-Y and Klauder J R: Reply to the ‘Comment on ‘Generalization of the Darboux transformation and generalized harmonic oscillators’’ [5837](#)
- Song X: *see* Yang G [9689](#)
- Sood V, Redner S and ben-Avraham D: First-passage properties of the Erdős–Renyi random graph [109](#)
- Sorace E: *see* Giachetti R [1345](#)
- Sorba P: *see* Caudrelier V [3431](#)
- Sørveik T, Madsen L B and Hansen J P: A spectral method for integration of the time-dependent Schrödinger equation in hyperspherical coordinates [6977](#)
- Speciale M P: *see* Oliveri F [8803](#)
- Speck T and Seifert U: Integral fluctuation theorem for the housekeeping heat [L581](#)
- Spohn H: *see* Ferrari P L [L557](#)
- Spouge J L: *see* Park Y [97](#)
- Sprung D W L: *see* Bhaduri R K [L183](#)
- Sriram Shastry B: A class of parameter-dependent commuting matrices [L431](#)
- Stajić J and Elezović-Hadžić S: Hamiltonian walks on Sierpinski and n -simplex fractals [5677](#)
- Stanescu T D: *see* Paroanu Gh-S [2785](#)
- Stark H: *see* Miri M F [3743](#)
- Štasiak A: *see* Diao Y [7601](#)
- Štefaňák M: *see* Novotný J [9087](#)
- Stein D L: *see* Sundaramurthy P [349](#)
- Stella A L: *see* Marcone B [L15](#)
- Stelmachovič P and Bužek V: Bounds on action of local quantum channels [6051](#)
- Stepney S: *see* Brown I D K [1119](#)
- Stewart I W: Stability of equilibrium states in finite samples of smectic C* liquid crystals [1853](#)
- Stilck J F: *see* Dantas W G [5841](#)
- Stöckmann H-J: *see* Kuhl U [10433](#)
- Stoilova N I and Van der Jeugt J: Solutions of the compatibility conditions for a Wigner quantum oscillator [9681](#)
- Stoll E P: Suppression of critical properties in doped cuprates [125](#)
- Stone M: *see* Ardonne E [617](#)
- Stone M: *see* Ardonne E [9183](#)
- Storme L: *see* Van Rentergem Y [3555](#)
- Struckmeier J: Hamiltonian dynamics on the symplectic extended phase space for autonomous and non-autonomous systems [1257](#)
- Su X: *see* Zhang D [8861](#)
- Sudarshan E C G: *see* Lupo C [10377](#)
- Sudbery A: *see* Brown I D K [1119](#)
- Sugiyama M: *see* Ruggeri T [4337](#)
- Sukumar C V: *see* Samsonov B F [7557](#)
- Sumner J G: *see* Jarvis P D [9621](#)
- Sun M: *see* Qin G [4247](#)
- Sun Z Z: *see* Cao J [2579](#)
- Sun Z: *see* Wang X [8703](#)
- Sundaramurthy P and Stein D L: Zero-temperature dynamics of 2D and 3D Ising ferromagnets [349](#)
- Suzuki A: *see* Bhaduri R K [L183](#)
- Svozil K: Noncontextuality in multipartite entanglement [5781](#)
- Swanson M S: Charge–monopole trajectories and the WKB approximation [2795](#)
- Swanson M S: *see* Sohn R [2511](#)
- Szabó G: Competing associations in six-species predator–prey models [6689](#)
- Szmytkowski R: Some summation formulae for spherical spinors [8993](#)
- Tahmasbi N: *see* Maghari A [4469](#)
- Tahri E H: *see* Hammaoui D [8259](#)
- Takagi T: Separation of colour degree of freedom from dynamics in a soliton cellular automaton [1961](#)
- Takakura F I: *see* Mendes A C R [8747](#)
- Takakura F I: *see* Mendes A C R [9387](#)
- Takeda K, Sasamoto T and Nishimori H: Exact location of the multicritical point for finite-dimensional spin glasses: a conjecture [3751](#)
- Takei Y: *see* Aoki T [3317](#)
- Takenaga K: *see* Nagasawa T [8053](#)
- Takeyama Y: *see* Boos H [7629](#)
- Tam H-W: *see* Zhao J-X [1113](#)
- Tambergs J: *see* Castilho Alcarás J A [7501](#)
- Tanaka T: *see* González-López A [5133](#)
- Tang I M: *see* Patanarapeelert K [10069](#)
- Tang X Y, Chow K W and Lou S Y: Some novel nonlinear coherent excitations of the Davey–Stewartson system [10361](#)
- Tang X Y: *see* Radha R [9649](#)
- Tang X-b: *see* Fan H-y [4391](#)
- Tanner G: *see* Dullin H R [L443](#)
- Taqavi M: *see* Fakhri H [5565](#)
- Tarasov V E: Phase-space metric for non-Hamiltonian systems [2145](#)

- Tarasov V E: Fractional generalization of gradient and Hamiltonian systems 5929
- Tarloyan A S: *see* Saharian A A 8763
- Tarn T-J: *see* Zhang J 6587
- Tasaki S: *see* Okada Y 6675
- Tasaki S: *see* Okada Y L163
- Tateo R: *see* Dorey P 1305
- Tater M: *see* Bentosela F 4835
- Täuber U C, Howard M and Vollmayr-Lee B P: Applications of field-theoretic renormalization group methods to reaction–diffusion problems R79
- Taylor J: *see* Goldstein S 1567
- Tchrakian D H: *see* Brihaye Y 3679
- Temme N M: *see* Carteret H A 8641
- Terashima H and Ueda M: Spin decoherence by spacetime curvature 2029
- Terras V: *see* Kitanine N 7441
- Tervola P: *see* Lu X 81
- Tervola P: *see* Lu X 2873
- Tervola P: *see* Lu X 8337
- Tervola P: *see* Lu X 10145
- Tesi M C: *see* Orlandini E 3473
- Tesi M C: *see* Orlandini E L795
- Tessieri L, Wilkie J and M Çetinbaş: Exact norm-conserving stochastic time-dependent Hartree–Fock 943
- Teta A: *see* Figari R 4947
- Tew R: *see* Thompson I 2701
- Texier C and Montambaux G: Quantum oscillations in mesoscopic rings and anomalous diffusion 3455
- Texier C: *see* Comtet A R341
- Thaik M and Inomata A: Klauder’s coherent states for the radial Coulomb problem in a uniformly curved space and their flat-space limits 1767
- Thakkar A J: *see* Roy A K 2189
- Thilagam A: *see* Lohe M A 461
- Thompson I, Tew R and Christopoulos C: Mode generation and diffraction at the aperture of a waveguide 2701
- Thylwe K-E: The barrier transmission problem treated by the amplitude-phase method and expressed in terms of an invariant of the Ermakov–Lewis type 235
- Thylwe K-E and Sokolovski D: An amplitude-phase approach to calculating Regge-pole positions and residues 5305
- Thylwe K-E: Improved amplitude-phase method for complex angular momentum analysis 7363
- Thylwe K-E: Generalization of the amplitude-phase S -matrix formula for coupled scattering states 10007
- Tian Y: Conformal symmetry on the instanton moduli space 1823
- Tkachuk V M: *see* Bagchi B 2929
- Tkachuk V M: *see* Quesne C 1747
- Toigo A: *see* Carmeli C 5253
- Tomaschitz R: Tachyonic ionization cross sections of hydrogenic systems 2201
- Tomio L: *see* Coutinho F A B 4989
- Tomio L: *see* Coutinho F A B L519
- Ton-That T: Poincaré–Birkhoff–Witt theorems and generalized Casimir invariants for some infinite-dimensional Lie groups: II 907
- Tonel A P, Links J and Foerster A: Quantum dynamics of a model for two Josephson-coupled Bose–Einstein condensates 1235
- Tonel A P, Links J and Foerster A: Behaviour of the energy gap in a model of Josephson coupled Bose–Einstein condensates 6879
- Tong P: *see* Zhang L 7377
- Tongas A and Nijhoff F: Generalized hyperbolic Ernst equations for an Einstein–Maxwell–Weyl field 895
- Toppan F: *see* Kuznetsova Z 7773
- Torrisi M and Tracina R: Second-order differential invariants of a family of diffusion equations 7519
- Torroba G: *see* Fosco C D 3695
- Tosi M P: *see* Capuzzi P L439
- Tosiek J: The Weyl bundle as a differentiable manifold 5193
- Toyama F M: *see* Coutinho F A B 4989
- Toyama F M: *see* Coutinho F A B L519
- Tracina R: *see* Torrisi M 7519
- Trifonov A Yu: *see* Bellucci S L103
- Trinh D T: Remarks on the \mathcal{PT} -pseudo-norm in \mathcal{PT} -symmetric quantum mechanics 3665
- Trovato A: *see* Marenduzzo D L277
- Truman A: *see* Neate A D 7093
- Truong T T: *see* Nguyen M K 8003
- Tsai Hsin-Jung: *see* Hwang Tzy-Wei 8211
- Tsiganov A V: On a family of integrable systems on S^2 with a cubic integral of motion 921
- Tsiganov A V: A new integrable system on S^2 with the second integral quartic in the momenta 3547
- Tsiganov A V: *see* Komarov I V 2917
- Tsuboi Z and Shiroishi M: High temperature expansion of the emptiness formation probability for the isotropic Heisenberg chain L363
- Tsuchida T and Wolf T: Classification of polynomial integrable systems of mixed scalar and vector evolution equations: I 7691
- Tsuda Y and Matsumoto K: Quantum estimation for non-differentiable models 1593
- Tsymbal E Y: *see* Ye Zhuravlev M 5547
- Tu M-H, Chen Y-T and Chang J-H: Dressing operator approach to the toroidal model of higher-dimensional dispersionless KP hierarchy 9529
- Tu M-H: *see* Chen Y-T 2623

- Tu M-H: *see* Wu D 6167
 Tumulka R: *see* Dürr D R1
 Tumulka R: *see* Goldstein S 1567
 Turkin A A: *see* Byshkin M S 5057
 Tyagi S: Rapid evaluation of the periodic Green function in d dimensions 6987
 Tymoshchuk O: *see* Hul O 10489
 Tyutin I V: *see* Gitman D M 5581
- Uchiyama M: *see* Shigechi K 10287
 Ueda M: *see* Terashima H 2029
 Ullmo D: *see* Yoo J 10307
 Ünal M: *see* Bohner M 6729
 Usha Devi A R and Sirsi S: Bivalued ‘click’–‘no-click’ probabilities for EPRB spin correlations 2525
 Uski V, Mota-Furtado F and O’Mahony P F: Statistics of Fano parameters in a mesoscopic billiard 10819
 Uski V: *see* Howard P J 10829
 Utkin A B: *see* Borisov V V 2225
- Vacchini B: *see* Bassi A 8017
 Vadeiko I P: *see* Rybin A V L177
 Vadeiko I P: *see* Rybin A V L357
 Vakarchuk I O: The Kepler problem in Dirac theory for a particle with position-dependent mass 4727
 Vakarchuk I O: Reply to ‘Comment on ‘Kepler problem in Dirac theory for a particle with position-dependent mass’’ 6859
 Vakarchuk I O: On Dirac theory in the space with deformed Heisenberg algebra: exact solutions 7567
 Valinevich P A: *see* Ioffe M V 2497
 Valiquette F and Winternitz P: Discretization of partial differential equations preserving their physical symmetries 9765
 Valle Basagoiti M A: Effective field theory of the classical two-dimensional plasma 277
 Vallejos R O: *see* Ozorio de Almeida A M 1473
 Valls C: *see* Llibre J 2681
 Valls C: *see* Llibre J 8155
 Valtancoli P: Space–time noncommutativity and the $(1 + 1)$ Higgs model 509
 Van Assche W: *see* Coussemont J 3337
 van Dam H: *see* Ng Y J L317
 Van der Jeugt J: *see* Stoilova N I 9681
 van Eerten H: *see* Fendley P 315
 van Holten J-W and Scharnhorst K: Nonlinear Bogolyubov–Valatin transformations and quaternions 10245
 Van Rentergem Y, De Vos A and Storme L: Implementing an arbitrary reversible logic gate 3555
 van Wieren M H: *see* Maes C 1005
 Vanpeteghem D: *see* Fannes M 2103
- Vavilov M G: Quantum chaotic scattering in time-dependent external fields: random matrix approach 10587
 Vázquez-Abal M E: *see* Chaichi M 841
 Vedyayev A V: *see* Ye Zhuravlev M 5547
 Ventriglia F: *see* Marmo G 3813
 Verbeure A F: *see* Pulé J V 5173
 Vergini E G and Schneider D: Asymptotic behaviour of matrix elements between scar functions 587
 Vermet F: *see* Löwe M 3483
 Viljanen M: *see* Lu X 2873
 Viljanen M: *see* Lu X 8337
 Viljanen M: *see* Lu X 10145
 Villanueva V M, Nieto J A, Ruiz L and Silvas J: Hamiltonian Noether theorem for gauge systems and two time physics 7183
 Vinette F: *see* Zamastil J 4009
 Visinescu M: *see* Cotăescu I I 7005
 Vittot M: *see* Benzekri T 5381
 Vojta T: *see* Dickison M 1199
 Vojta T: *see* Fendler B 2349
 Vollmayr-Lee B P: *see* Täuber U C R79
 Volný P: *see* Krupková O 8715
 Volponi F: Local algebraic instability of shear-flows in the Rayleigh equation 4293
 von Gehlen G, Pakuliak S and Sergeev S: The Bazhanov–Stroganov model from 3D approach 7269
 von Haeseler F: *see* Barbé A 2599
 Vourdas A: Galois quantum systems 8453
 Vourdas A: Propagation of a quantum state in a continuum of coupled oscillators and applications to entanglement 9859
 Vourdas A: *see* Zhang S 1197
 Vrejoiu C: A formula for gauge invariant reduction of electromagnetic multipole tensors L505
- Waalkens H, Burbanks A and Wiggins S: A formula to compute the microcanonical volume of reactive initial conditions in transition state theory L759
 Waalkens H: *see* Dullin H R L443
 Walczak Z: *see* Caban P L79
 Wang A M: *see* Ma X S 2761
 Wang A M: *see* Niu W-Q 3879
 Wang J: Darboux transformation and soliton solutions for the Heisenberg hierarchy 5217
 Wang J: Darboux transformation and soliton solutions for the Boiti–Pempinelli–Tu (BPT) hierarchy 8367
 Wang J P: *see* Mikhailov A V L337
 Wang J: *see* Lü K 2891
 Wang L: *see* Liu S 3057
 Wang M, Hou Z and Xin H: Internal noise-enhanced phase synchronization of coupled chemical chaotic oscillators 145

- Wang S-J: *see* An J-H 3579
- Wang X-G and Sanders B C: Canonical entanglement for two indistinguishable particles L67
- Wang X R: *see* Cao J 2579
- Wang X, Li H-B, Sun Z and Li Y-Q: Entanglement in spin-1 Heisenberg chains 8703
- Wang X: *see* Liu S 3057
- Wang Y: *see* Cao J 2579
- Wang Z: Large time profile of solutions for a dissipative nonlinear evolution system with conservational form 10955
- Wang Z X: *see* Gao T 5761
- Warzel S: *see* Leschke H L235
- Watkins N W: *see* Chapman S C 2289
- Weaver R: *see* Kuhl U 10433
- Weichlein A: *see* Leschke H L235
- Weigel M and Janke W: The square-lattice F model revisited: a loop-cluster update scaling study 7067
- Wemmenhove B: *see* Coolen A C C 8289
- Wen X: *see* Li W 7543
- Westbury B W: An R -matrix for $D_4^{(3)}$ L31
- Wheeler C T: Curved boundary corrections to nodal line statistics in chaotic billiards 1491
- Whittington S G: *see* Brak R 4309
- Whittington S G: *see* Iliev G 1209
- Whittington S G: *see*
Janse van Rensburg E J L823
- Whittington S G: *see* Orlandini E 3473
- Whittington S G: *see* Orlandini E L795
- Wichaidit C: *see* Hitchon W N G 6841
- Wiggins S: *see* Waalkens H L759
- Wignall J W G: Quantum mechanics without a quantization postulate 5315
- Wilkie J: *see* Tessieri L 943
- Williams M M R: The Milne problem with Fresnel reflection 3841
- Williams M M R: The Milne problem with Fresnel reflection 8287
- Wilcox R, Grammaticos B and Ramani A: A study of the antisymmetric QRT mappings 5227
- Wimberger S and Sadgrove M: The role of quasi-momentum in the resonant dynamics of the atom-optics kicked rotor 10549
- Winn B: *see* Degli Esposti M 5895
- Winternitz P: *see* Šnobl L 2687
- Winternitz P: *see* Valiquette F 9765
- Witthaut D, Mossmann S and Korsch H J: Bound and resonance states of the nonlinear Schrödinger equation in simple model systems 1777
- Witthaut D: *see* Mossmann S 3381
- Wolf T: *see* Tsuchida T 7691
- Wreszinski W F and da Silva M A: Onsager's inequality, the Landau–Feynman ansatz and superfluidity 6293
- Wu D, Tu M-H, Chen Y-T and Chang J H: The $\bar{\partial}$ -approach to the dispersionless (2+1)-Harry Dym hierarchy 6167
- Wu F Y: *see* Chen L C 6271
- Wu J: *see* Yang G 9689
- Wu R-B: *see* Zhang J 6587
- Xiao F-L: *see* Li J-F 4459
- Xiao F-L: *see* Li J-F 9297
- Xie Y: *see* Chen B 815
- Xin H: *see* Wang M 145
- Xu M: *see* Jin Y 3733
- Xu T: Bifurcation of vortex lines in Euler flow 9589
- Xu W: *see* Jin Y 3733
- Yakhno V G: Constructing Green's function for the time-dependent Maxwell system in anisotropic dielectrics 2277
- Yamaoka H: *see* Iwai T 2415
- Yamaoka H: *see* Iwai T 5709
- Yan F L: *see* Gao T 5761
- Yan J-R: *see* Ao S-M 2399
- Yáñez R J: *see* Sánchez-Moreno P 9969
- Yang G, Song X, Perkowski M and Wu J: Realizing ternary quantum switching networks without ancilla bits 9689
- Yang Q-Z: *see* Yeo Y 3235
- Yang T: *see* Li W 7543
- Yang X D: *see* Ma X S 2761
- Yang X-S, Li H and Huang Y: A planar topological horseshoe theory with applications to computer verifications of chaos 4175
- Yang X: *see* Niu W-Q 3879
- Yaşuk F, Berkdemir C and Berkdemir A: Exact solutions of the Schrödinger equation with non-central potential by the Nikiforov–Uvarov method 6579
- Ye L: *see* Janse van Rensburg E J 8493
- Ye Zhuravlev M, Burton J D, Vedyayev A V and Tsymbal E Y: A symmetric Green function for the non-collinear magnetic multilayer 5547
- Yeo J, Moore M A and Aspelmeier T: Nature of perturbation theory in spin glasses 4027
- Yeo Y, Liu T, Lu Y-E and Yang Q-Z: Quantum teleportation via a two-qubit Heisenberg XY chain—effects of anisotropy and magnetic field 3235
- Yin S: *see* Cao J 2579
- Yoo J, Chandrasekharan S, Kaul R K, Ullmo D and Baranger H U: On the sign problem in the Hirsch–Fye algorithm for impurity problems 10307
- Yoshikawa N: *see* Dmitriev S V 7617
- You H: *see* Ma X S 2761
- You H: *see* Niu W-Q 3879
- Yu B: *see* Zhang D 8861
- Yu Y: *see* Brack M 9941

- Yuan G: *see* Li W 7543
- Yuzbashyan E A, Altshuler B L, Kuznetsov V B and Enolskii V Z: Solution for the dynamics of the BCS and central spin problems 7831
- Zabluda A V: *see* Kaptsov O V 3133
- Zachary W W: *see* Gill T L 2479
- Zachary W W: *see* Gill T L 6955
- Zagrebnov V A: *see* Exner P L463
- Zagrebnov V A: *see* Pulé J V 5173
- Zak J: *see* Mann A L389
- Zakrzewski W J: *see* Piette B 10403
- Zamastil J and Vinette F: Determination of singularities of a function from its perturbation expansion 4009
- Zamora A: *see* Santiago J A 1225
- Zanghì N: *see* Dürr D R1
- Zanghì N: *see* Goldstein S 1567
- Zeng Y: *see* Liu X 8951
- Zeng Y: *see* Shao Y 2441
- Zenine N, Boukraa S, Hassani S and Maillard J-M: Square lattice Ising model susceptibility: series expansion method and differential equation for $\chi^{(3)}$ 1875
- Zenine N, Boukraa S, Hassani S and Maillard J-M: Ising model susceptibility: the Fuchsian differential equation for $\chi^{(4)}$ and its factorization properties 4149
- Zenine N, Boukraa S, Hassani S and Maillard J-M: Square lattice Ising model susceptibility: connection matrices and singular behaviour of $\chi^{(3)}$ and $\chi^{(4)}$ 9439
- Zhang C: *see* Li W 7543
- Zhang D, Li R, Su X, Pan G and Yu B: Kinetic approach to one-dimensional non-uniform granular gases 8861
- Zhang J, Li C-W, Wu R-B, Tarn T-J and Liu X-S: Maximal suppression of decoherence in Markovian quantum systems 6587
- Zhang L and Tong P: Entanglement of periodic anisotropic XY chains 7377
- Zhang R B: *see* Jarvis P D L219
- Zhang S and Vourdas A: Analytic representation of finite quantum systems 1197
- Zhang Y: *see* Guo F 8537
- Zhao H: *see* Bai C-L 4375
- Zhao J-X, Gegenhasi, Tam H-W and Hu X-B: Pfaffianization of the three-dimensional three-wave equation 1113
- Zheng H-Z: *see* Bai Y-K 8633
- Zhong Z-Z: Method of convex rigid frames and applications in studies of multipartite quNit pure states L41
- Zhou R and Jiang Q: A Darboux transformation and an exact solution for the relativistic Toda lattice equation 7735
- Zia R K P: *see* Erickson D W L659
- Zich J: *see* Masáková Z 1947
- Zimmerman A H: *see* Aratyn H 9341
- Zinn-Justin P: *see* Di Francesco P L815
- Znojil M and Jakubský V: Solvability and \mathcal{PT} -symmetry in a double-well model with point interactions 5041
- Zois I: *see* Kellendonk J 3937
- Zonta F: *see* Marcone B L15
- Zworski M: *see* Nonnenmacher S 10683
- Zyskin M: *see* Majumdar A 7595
- Zyskin M: *see* Robbins J M 7597