

Tuesday, July 10

Group32 - Prague 2018

Room	Atrium	10	11	103	111	114	115	215	314
Topic	2	7	15	10	1	14	5	4	MG (mixed group)
14:00-14:25	Avan: Dynamical centers for an elliptic quantum algebra	Koornwinder: Dualities in the q-Askey scheme and degenerate DAHA	Negro: Spectrum of carbon nanotubes under transverse magnetic fields	Doebner: Views on Symmetries and Theoretical Quantum Physics	Polizzi: Representations of braid groups and construction of projective surfaces	Beige: Scattering light through semi-transparent mirrors	Miller Jr.: Toward a classification of semidegenerate and degenerate 3D superintegrable	Bering: Independence of gauge-fixing in a higher-order BV formalism	Rasin: Bäcklund Transformations and Infinitesimal Symmetries
14:30-14:55	Grabowski: On a Lie's theorem about integrability of quadratures	Zhang: Generic representations of quantized coordinate algebras	Zhoshchastiev: Master equation approach for non-Hermitian Hamiltonians: Original and phase-space formulations	Kerner: Quarks as a mathematical puzzle	Griess: Integral forms in vertex operator algebras	Turner: Better photonics through representation theory	Tsiganov: Superintegrable systems with higher order integrals of motion	Ecker: The low-degree cohomology of the Witt and the Virasoro Algebra	Dahm: On Spin II
15:00-15:25	RAGNISCO: The Algebra of Symmetries for the Quantum Perlick System 1	Li: Quantum queer supergroups and Berezinians	Rapcak: Representation Theory of Vertex Operator Algebras and Gukov-Witten Defects	Antoine: Beyond Hilbert space: RHS, PIP and all that	Paoletti: Equivariant Asymptotics of Szegő kernels under Hamiltonian U(2) and SU(2) actions	Sawicki: Asymptotic properties of entanglement polytopes for large number of qubits	Danner: Applications of superintegrability in problems of classical optics	Pati: Splints of root systems of Basic Lie superalgebras	Alekseev: Conformal field theories of nonlinear stochastic Laplacian growth
15:30 - 15:55	Li: The lump solution and the bilinear Bäcklund transformation for the (4+1)-dimensional Fokas equation	Ostapenko: Quantum exceptional group G_2 and its semisimple conjugacy classes	Hnatic: Mirror symmetry breaking in toy models of developed turbulence	del Olmo: Lie algebras, spherical harmonics and rigged Hilbert spaces	Lavicka: Separation of variables for polynomials on superspaces	Gahramanov: From supersymmetric duality to integrability	Tyc: Superintegrability, the Hamilton-Jacobi equation and absolute optical instruments	Lecian: Modular structures and extended-modular-group-structures after Hecke pairs	Lei: Selective correlations and the Desargues property
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16:00-16:25	Coffee Break								
16:30-16:55	Xenitidis: Deautonomization of integrable difference equations	Vieira: On the fundamental solution of the time-fractional telegraph Dirac operator	Rouleux: The semi-classical Bogoliubov-de Gennes Hamiltonian with PT-symmetry: generalized Bohr-Sommerfeld	Lattanzi: Solutions to the free-spinless-particle (1+1)D Salpeter equation: a non-local description for relativistic	Braun: Invariants of fundamental representations of SL _n and colored hypergraphs	Kocak: Kaleidoscope of Quantum Coherent States and Units of Quantum Information	Šnobl: Spherical type integrable classical systems in a magnetic field	Kanel_below: Automorphisms of Weyl Algebra and a Conjecture of Kontsevich	Rutten: The defining properties of the Kontsevich unoriented graph complex Gra
17:00-17:25	van de Vijver: A discrete higher rank Racah algebra	Stukopin: Isomorphism between super Yangian and quantum loop superalgebra	Shen: Ground-state energies of the open and closed p+ip-pairing models from the Bethe Ansatz	Assemeyer: Hyperbolic groups, 4-manifolds and Quantum Gravity	Novotný: On $S(\alpha, \beta, \gamma)$ -derivations of Jordan algebras	Reuvers: Lower bound on entanglement in subspaces defined by Young diagrams	Marchesiello: Superintegrable 3D systems in a magnetic field and separation of variables	Tumpach: Bruhat-Poisson structure of the restricted Grassmannian and the KdV hierarchy	
17:30-17:55	Motlochova: Dual Root-Lattice Discretization of Weyl-Orbit Functions	Bergeron: Quantum groups and multivariate q-Krawtchouk polynomials	Teodorescu: Projective connections and extremal domains: conformal group representations for best	Aniello: Square integrable representations: from generalized coherent states to open quantum systems	Jakubczyk: The one-dimensional Hubbard model in the limit of $u \gg t$	Díaz-Bautista: Partially coherent states in graphene	Yurdusen: Higher-order superintegrable systems separating in polar coordinates	Mitrović: Constructive Semigroups with Apartness: (Development of) a New Algebraic Theory	
18:00-18:25	Jarvis: Systematics and Symmetry in Molecular Phylogenetics Modelling	Rodrigues: The multi-dimensional time telegraph equation and the telegraph process with Brownian time		Beneduci: On the role of Positive Operator Valued Measures in Quantum Mechanics	Tuček: Unfolding equations on manifolds and unitarizable highest weight modules	Çayır: Dynamics of squeezed states of a generalized quantum parametric oscillator	Escobar: General Nth order superintegrable systems separating in polar coordinates	Carrasco: Generalized Negativities, Formal Group Theory and Spin Chains	