

VII. International Workshop

LIE THEORY

AND ITS

APPLICATIONS IN PHYSICS

18 - 24 June 2007, Varna, Bulgaria

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Name	Title of contribution
Accardi , Luigi	From renormalized higher powers of white noise to the Virasoro--Zamolodchikov Lie algebra
Albuquerque , Helena	Alternative tensor product and Octonions
Anguelova , Iana	Boson-Fermion Correspondence(s) and bicharacter construction of deformed chiral algebras
Bergvelt , Maarten	Quantum Vertex Algebras
Boukas , Andreas	On the Lie-algebra of the Renormalized Higher Powers of White Noise
Chamseddine , Ali	Spectral Actions: A Review
Corrigan , Ed	Purely transmitting defects in classical and quantum integrable field theories
D`andrea , Alessandro	Commutativity and associativity in vertex algebras.
Duncan , John	Extensions of the Virasoro algebra
Flume , Rainald	Current x current perturbations of WZW models
Galata , Giuseppe	Baryons in the quark-diquark model
Georgiev , Lachezar	Topological quantum computation with Pfaffian anyons
Gili , Valeria Lucia	Boundary Conformal Field Theory and Ribbon Graphs: a tool for open/closed string dualities
Grosse , Harald	On renormalizable noncommutative quantum fields
Hadasz , Leszek	Recursion representation for the super-conformal block.
Hadjiivanov , Ludmil	Restricted $U_q(\mathfrak{sl}(2))$ and extended $\mathfrak{su}(2)_k$

Hasebe, Kazuki	SUSY Quantum Hall Effect
Helminck, Gerard	Integrable deformations of meromorphic connections on the projective line
Huebschmann, Johannes	Stratified Kähler spaces, costratified Hilbert spaces, and singular holomorphic quantization
Kac, Victor	Rational W-algebras
Karaali, Gizem	On Hopf Algebras and Their Generalizations
Kauffman, Louis	Spin Networks and Anyonic Topological Quantum Computing
Leandre, Remi	Deformation quantization in infinite dimensional analysis
Liberati, Jose	Representations of simple finite Lie conformal superalgebras of type W and S
Lievens, Stijn	Harmonic oscillator chains as Wigner Quantum Systems: $gl(1 n)$ solutions
Lukashevich, Sviatlana	Static polarizability contribution to imaginary part of doubly virtual Compton scattering off the proton
Matthes, Rainer	Piecewise trivial quantum principal bundles
Mickelsson, Jouko	Twisted K-theory, twisted cohomology and Dirac type operators
Mikhailov, Andrei	TBA
Molev, Alexander	Littlewood-Richardson polynomials
Nagaoka, Satoshi	Superstring vertex operators in type IIB matrix model
Nakamura, Kouji	"Gauge" in General Relativity: Second-order general relativistic gauge-invariant perturbation theory
Nikolov, Nikolay	Constructing models of vertex algebras in higher dimensions from chiral vertex algebras
Nissimov, Emil	Lightlike Branes and Black Hole Physics
Noyvert, Boris	Superconformal algebras of parafermionic type
Patras, Frederic	Lie idempotents and renormalization in pQFT
Poguntke, Detlev	The dual of $L^1_K(N)$ for Heisenberg groups N and compact commutative K
Popov, Todor	Parastatistics Algebras and Young Tableaux
Randjbar-Daemi, Seifallah	Why 3-Branes in $D=6$ are interesting?
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Rudolph , Gerd	Singular Marsden-Weinstein reduction and quantization of lattice gauge models
Salom , Igor	Parabose Algebra as an Extension of Conformal Supersymmetry and Green`s Ansatz
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Toppan , Francesco	Classification of the irreps of the 1D N Extended Supersymmetry Algebra
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Yehorchenko , Irina	Differential invariants of infinite-dimensional algebras that are equivalence algebras of classes of PDE
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Zagermann , Marco	Symplectic Structure of N=1 Supergravity with Anomalies and Chern-Simons Terms