

NON-ASSOCIATIVE ALGEBRA AND LIE THEORY
Oaxaca, January 11-15, 2003

PROGRAM

Friday

- 16.00 – 16.50 Alexander Nesterov
Nonassociative physics and geometry
- 17.00 – 17.50 Zbigniew Oziewicz
Category of loops, homogeneous spaces, and link problem

Saturday

- 9.30 – 10.30 Jacob Mostovoy
Sabinin algebras
- 10.40 – 11.40 Karl Strambach
Abstract version of Sabinin's theory of transitive families of permutations
- 12.00 – 13.00 Peter T. Nagy
Holonomy theory of differentiable families of loops
- 13.10 – 13.40 Iryna Kashuba
Deformations of Jordan algebras of dimension four
- 16.00 – 16.50 Gregory P. Wene
Permutations for the Knuth cube
- 17.00 – 17.30 Dalia Cervantes
The quantum chiral Minkowski superspace and quadratic deformation on Minkowski space
- 17.30 – 18.00 Eduardo Hernandez Huerta
Los octonios bicomplejos

Monday

- 9.30 – 10.30 Vyacheslav Futorny
Representations of Weyl algebras
- 10.40 – 11.40 Vladislav Kharchenko
Primitively generated braided Hopf algebras
- 12.00 – 13.00 Efim Zelmanov
On complexity of rewriting systems
- 16.00 – 16.50 Gregor Weingart
Campbell-Baker-Hausdorff formula for loops
- 17.00 – 17.30 Peter Plaumann
The variety of Steiner loops

Tuesday

- 9.30 – 10.30 Jose Maria Perez Izquierdo
Graphical calculus in non-associative Lie theory
- 10.40 – 11.40 Sara Madariaga
Polynomial identities for tangent algebras of monoassociative loops
- 12.00 – 13.00 Maria de Lourdes Merlini Giuliani
Half isomorphism in categories of loops: a not so-trivial-matter
- 16.00 – 16.30 Liudmila Sabinina
Half isomorphism for automorphic Moufang loops
- 16.40 – 17.30 Alexandre Grishkov
Commutative automorphic loops