
List of Talks Sorted by the Last Name of Speakers

Sine Solitary Wave Solutions to BBMB Equations

Kamel Al-Khaled

On the Energy and the Angle of a Frenet Vectors Fields

Ayse Altin

Algebraic Methods of Many-body Systems

Boyka Aneva

Topological Quantization of the Free Massive Bosonic Field

Gustavo Arciniega

Classical-quantum Correspondence and Wave Packet
Solutions of the Dirac Equation in a Curved Spacetime

Mayeul Arminjon

The Geometry of Monopoles: New and Old

Harry Braden

Krichever Formal Group Laws and the Deformed
Baker-Akhiezer Function

Elena Bunkova

Kerr-Schild Geometry as a Way to Quantum Gravity

Alexander Burinskii

Noncommutative Quantum Mechanics From a Drinfel'd Twist

Paulo Guilherme Castro

Hidden Symmetries and Complete Integrability in Higher
Dimensional Black Holes

Valeri Frolov

A New Formulation of the Spinning Gas Cloud Model

Bernard Gaffet

Two-symmetric Lorentzian Manifolds

Anton Galaev

On Soliton Equations and Soliton Interactions

Vladimir S. Gerdjikov

Tau Functions and Convolution Symmetries

John Harnad

Lorentz Surfaces in Pseudo-Riemannian Space Forms of Neutral Signature with Horizontal Reflector Lifts

Kazuyuki Hasegawa

Generalized Semi-Pseudo Ricci Symmetric Manifold
Admitting Semi Symmetric Metric Connection

Musa Jawarneh

On the Involute B-scroll

Seyda Kilicoglu

Goursat Equation, Geometry and Two-Dimensional (BLMP)
Equation

Sergey Leble

Balanced Metrics, TYZ Expansion and Quantization of Kaehler
Manifolds

Andrea Loi

Topology and Geometry of Vortex Loops generated by Iso-
lated Singularities in Infinite Superconductors of Type II

Andrei Ludu

On Cohomogeneity Two Riemannian Manifolds of Non-Positive Curvature

Reza Mirzaei

Compatible Metrics and Integrable Hierarchies

Oleg Mokhov

Analytic Description of the Viscous Fingering Interface in a Hele-Shaw Cell

Ivailo Mladenov, Mariana Hadzhilazova, Peter Djondjorov
and Vassil Vassilev

A Natural Geometric Framework for the Space of Initial Data of Nonlinear PDEs

Giovanni Moreno

Chiral de Rham Complex and Sigma-Models on CY Manifolds With Line Bundles

Sergei Parkhomenko

On the Theory Parametrization of the Three-dimensional Rotations Group Absolute Rigid Body

Sergei Perelyaev

On Integrability of Equations of Mathematical Physics

Ludmila Petrova

Combinatorial Aspects of Stable Plane Curves

Zahid Raza

Approaching Integrability in $1 + 1$ Dimensional Nonlinear
Relativistic Fields

Nematollah Riazi

Fixed Points and Stability

Reza Saadati

Geometric Methods in Quantum Mechanics

Mauro Spera

Semi-symmetric Non-metric Connection on Warped
Product Manifolds

Sibel Sular

On Certain Aspects of the Theory of Polynomial Bundle Lax
Operators Related to Symmetric Spaces

Tihomir Valchev

Liouville Integrability in Field Theory

Gaetano Vilasi

Quantization Operators and Invariants of Group
Representations

Andrès Viña

Recursion Operators for the Generalized Zakharov-Shabat
System in Pole Gauge on the Algebra $\mathfrak{sl}(n, \mathbb{C})$ and Their
Geometric Interpretation

Alexandar B. Yanovski

Star Product and Its Application to MIC Kepler Problem

Tomoyo Kanazawa and Akira Yoshioka