

# Analytic Theory of Differential and Difference Equations

Online conference dedicated to  
the memory of Andrey Bolibrukh

January 28 – February 3, 2021

# Talks

**S. Abramov**, *Sequences in the role of coefficients of difference operators*

**Yu. Bibilo**, *TBA*

**V. Dragović**, *Dynamics of extremal polynomials, isomonodromic and isoharmonic deformations*

**V. Gromak**, *TBA*

**D. Guzzetti**, *Isomonodromic Laplace transform with coalescing eigenvalues and confluence of Fuchsian singularities*

**G. Helminck**, *Darboux transformations of the dKP hierarchy and its strict version*

**Yu. Ilyashenko**, *Simultaneous uniformization of the leaves of analytic foliations*

**A. Khovanskii**, *On solvability of linear differential equations by quadratures*

**I. Kossovskiy**, *Real invariant manifolds of holomorphic vector fields*

**A. Lastra**, *On Gevrey asymptotics for linear singularly perturbed equations with linear fractional transforms*

**F. Loray**, *Projective structures and neighborhoods of rational curves*

**M. Mazzocco**, *Quantum Painlevé monodromy manifolds and Sklyanin–Painlevé algebra, I*

**A. Mironov**, *On commuting difference operators*

**J. Mozo**, *Nilpotent singularities of foliations of generalized Poincaré–Dulac type*

**V. Roubtsov**, *Quantum Painlevé monodromy manifolds and Sklyanin–Painlevé algebra, II*

**C. Sabbah**, *Isomonodromic degenerations of irregular singularities*

**J. Sanz**, *Right inverses for the asymptotic Borel map in ultraholomorphic classes on sectors*

**V. Shramchenko**, *Algebro-geometric solutions to the  $2 \times 2$  Schlesinger systems*

**L. Stolovitch**, *Geometry of hyperbolic Cauchy–Riemann singularities and KAM-like theory for holomorphic involutions*

**Ts. Stoyanova**, *Stokes matrices of a reducible equation with two irregular singularities of Poincaré rank 1 via monodromy matrices of a reducible Heun type equation*

**J.-A. Weil**, *TBA*

**Ch. Zhang**, *On the vanishing of coefficients of the powers of a theta function*

# Abstracts

## List of Participants

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