Workshop on the differential and difference equations in the complex domain

September 10–13, 2012,

Institute of Mathematics PAS, Warsaw, Śniadeckich 8, Room 403

Program

Monday, September 10

10:00–10:50   Werner Balser: Okubo's hypergeometric system

Coffee break

11:20–12:10   Renat Gontsov: Holomorphic vector boundles with meromorphic connections and triangular linear differential systems

Lunch break

15:00–15:50   Anastasia Parusnikova: Asymptotic forms and asymptotic expansions of solutions to the fifth Painleve equation

Coffee break

16:20–17:10   Ilya Vyugin: Isomonodromic confluence of singularities and solutions of fifth and sixth Painleve equations

Tuesday, September 11

9:30–10:20   Sławomir Michalik: Summability of formal solutions of linear PDEs with divergent initial data

Coffee break

10:50–11:40   Marc Huttner: Riemann P-scheme, monodromy and diophantine approximations

12:00–12:50   Laura Desideri: Describing minimal surfaces using isomonodromic deformations

Lunch break

15:00–15:50   Irina Goryuchkina: Nonformal solutions to an ODE

Coffee break

16:20–17:10   Galina Filipuk: Time scales and orthogonal polynomials

Wednesday, September 12

9:30–10:20   Boele Braaksma: Local Stokes phenomenon of a system of ODE's with 2 levels

Coffee break

10:50–11:40   Jorge Mozo Fernandez: On polynomial asymptotics and Ramis-Sibuya theorem

12:00–12:50   Javier Sanz: Summability in ultraholomorphic classes

Lunch break

15:00–15:50   Stephane Malek: On the parametric Stokes phenomenon for singularly perturbed linear PDE

Coffee break

16:20–17:10   Alberto Lastra: On singularly perturbed q-difference-differential problems with an irregular singularity

Thursday, September 13

9:30–10:20   Michał Zakrzewski: GKZ, GG and GK systems and multiple zeta values

Coffee break

10:50–11:40   Yuliya Bibilo: On the isomonodromic deformations of linear systems of ODEs with resonant irregular singularities

12:00–12:50   Grzegorz Łysik: Analytic solutions of heat equations with variable coeffcients

Lunch break

15:00–19:00   Warsaw sightseeing