

Functional Equations in LIMoges 2017

Monday, March 27, 2017 - Wednesday, March 29, 2017

XLIM, University of Limoges, Faculty of Sciences and Techniques

Scientific Program

Monday, March 27

9h-9h30

Registration - Welcome

9h30-10h

Thierry Combot: Computation of differential invariants of planar vector fields

10h-10h30

Anastasia Parusnikova: On asymptotic expansions of solutions to the third Painlevé equation in the neighbourhood of infinity

10h30-11h

Coffee break

11h-12h

Michael Singer: Finite automata, automatic sets, and difference equations

12h-14h

Lunch break

14h30-15h

Clemens Raab: Operators with matrix coefficients

15h-15h30

Johannes Hoffmann / Viktor Levandovskyy: Factorization and its applications in a big class of noncommutative algebras

15h30-16h

Joelle Saadé: On the formal reduction of linear singular differential systems

16h-16h30

Tea break

16h30-17h

Adrien Poteaux: A divide and conquer Newton-Puiseux algorithm

17h-17h30

Jean-Claude Yakoubsohn: Numerical matrix determination without using epsilon

Tuesday, March 28

9h30-10h

François Ollivier: A subsystem of a flat system of differential dimension 2 is flat

10h-10h30

Johannes Hoffmann: Left saturation closure and its applications

10h30-11h

Coffee break

11h-12h

Sergei Abramov: Infinite series as the input of certain algebraic procedures

12h-14h

Lunch break

14h30-15h

Thomas Dreyfus: Transcendence of solutions of q-difference equations

15h-15h30

Camilo Sanabria: Schwarz maps of algebraic linear ordinary differential equations

15h30-16h00

Tea break

16h00-16h30

Anton Panferov: Satellite components of solutions to linear differential systems with the selected unknowns

16h30-17h00

Maximilian Jaroschek: Automated generation of non-linear loop in variants utilizing hypergeometric sequences

20h-

Conference Dinner

Wednesday, March 29

9h30-10h

Jordy Palafox: About symmetries and linearisability of planar webs

10h-10h30

Alexander Prokopenya: On stability of relative equilibria in a planar circular restricted four-body problem

10h30-11h

Coffee break

11h-12h

Peter Paule: Symbolic functionology: Ramanujan and computer algebra

12h-14h

Lunch break