

French-Chinese School on Differential and Functional Equations[★]

Wuhan, China, April 16th-27th, 2012

Since the eighties of the last century, the differential Galois theory has been developed as a research fields in which one finds not only the fundamental mathematical subjects such as algebraic groups and fields, differential algebras, qualitative theory of differential and functional equations, but also many applied mathematics subjects including in particular computer algebras, integrability theory of Hamiltonian or discrete dynamic systems, etc. The main aim of this conference is double: to point out the essential facts coming from most important reserach works in this fields on the one hand and, on the other hand, to promote a more close cooperation between Chinese researchers and other countries colleagues in this domain. The first part of the conference will be devoted to a series of introductory short courses; The second part of the conference will consist of one-hour talks on subjects related to the topics of the short courses.

Scientific Committee:	Hua Chen	Xiaoshan Gao	Jean-Pierre Ramis
	Michael Singer	Changgui Zhang	Weinian Zhang
Organizing Committee:	Wenyi Chen	Lucia Di Vizio	Ruyong Feng
	Xiaochun Liu	Zhuangchu Luo	Stéphane Malek

List of mini-courses:

- **David Blazquez-Sanz, Universidad Sergio Arboleda, Bogota, Colombia**
Title: Algebraic Differential Invariants (6 hours)
- **Guy Casale, University of Rennes 1, Rennes, France**
Title: Galois Theory for Nonlinear q -Difference Equations (6 hours)
- **Lucia Di Vizio, French National Scientific Research Center, Paris, France)**
Charlotte Hardouin, University of Toulouse 3, Toulouse, France
Title: Arithmetic Study of Linear q -Difference Equations (6 hours)
- **Ziming Li, Academy of Mathematics and Systems Science, CAS, Beijing, China**
Title: Factorization of Linear Differential Operators (6 hours)
- **Michael Singer, North Carolina State University, Raleigh, USA**
Title: Galois Theory of Linear Difference Equations: An algebraic and Algorithmic Perspective (6 hours)
- **Weinian Zhang, Sichuan University, Chengdu, China**
Title: Dynamical Systems and Iteration Theory (6 hours)

List of invited speakers:

Yongchuan Chen (Nankai Univ.)	Shaoshi Chen (NC State U.)	Elie Compoint (Lille 1)	Shengfu Deng (Zhanjiang Normal)
Laura Desideri (Lille 1)	Thomas Dreyfus(Paris 6)	Ruyong Feng (AMSS, CAS)	Xiaoshan Gao (AMSS, CAS)
Florian Heiderich (Paris 6)	M. Ismail (Univ. Central Florida)	Shuping Li (U. Sci.Tech. China)	Zhuangchu Luo (Wuhan Univ.)
Stéphane Malek (Lille 1)	C. Mitschi (Univ. Strasbourg)	Andrea Pulita (Montpellier 2)	J.-P. Ramis (Toulouse 3)
Jacques Sauloy (Toulouse 3)	Shaoyun Shi (Jilin Univ.)	Jianguo Si (Shandong Univ.)	Hidetoshi Tahara (Sophia Univ.)
J.-A. Weil (Univ. Limoges)	M. Wibmer (RWTH Aachen)	Bing Xu (Sichuan Univ.)	Zhenya Yan (AMSS, CAS)
Chunming Yuan (AMSS, CAS)	Ruiming Zhang (NW. A&F Univ.)		

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