

International workshop on

Integrability in Dynamical Systems and Control

14-16 November 2012, Rouen, France

Schedule

| | Wednesday | Thursday | Friday |
|-------------|---------------------------------|--------------------|-----------------------------------|
| | November 14 | November 15 | November 16 |
| 9.00-9.45 | | Bernard Bonnard | |
| 9.45-10.30 | | Vladimir Matveev | Yuri Fedorov 9.30-10.15 |
| 10.30-11.00 | | coffee | coffee 10.15-10.45 |
| 11.00-11.45 | | Jean-Pierre Marco | Jean-Pierre Françoise 10.45-11.30 |
| 11.45-12.30 | Registration, welcome buffet | Clémence Labrousse | Tien Zung Nguyen 11.30-12.15 |
| 12.30-12.55 | | Lunch | Lunch 12.15-13.30 |
| 12.55-13.10 | | | |
| 13.10-13.55 | Juan Morales-Ruiz | | Alexei Tsygvintsev 13.30-14.15 |
| 14.00-14.45 | Božidar Jovanović | Jean-Pierre Ramis | Jacques-Arthur Weil 14.15-15.00 |
| 14.45-15.30 | Boris Bardin | Eva Miranda | |
| 15.30-16.00 | coffee | coffee | |
| 16.00-16.45 | Alain Albouy | Andriy Panasyuk | |
| 16.45-17.30 | Elie Assémat | Dmitry Sinitsyn | |

The posters will be displayed during the coffee breaks.

The workshop dinner is planned for Thursday - November 15 at 8 PM

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Talks

- Alain Albouy (Paris), Wed.16.00-16.45:
On generation of independent quadratic conserved quantities
- Elie Assémat (Dijon), Wed.16.45-17.30:
Singularities of Hamiltonian integrable systems in physics
- Boris Bardin (Moscow), Wed.14.45-15.30:
Transcendental cases of the problem of stability in integrable and non-integrable hamiltonian systems
- Bernard Bonnard (Dijon), Thu.9.00-9.45:
Riemannian metrics on 2D-manifolds related to the Euler-Poinsot rigid body motion
- Yuri Fedorov (Barcelona), Fri.9.30-10.15:
A puzzle of 3 Jacobians and separation of variables for some classical integrable systems
- Jean-Pierre Francoise (Paris), Fri. 10.45-11.30:
Analytic prolongation of normal forms for integrable Hamiltonian Systems
- Božidar Jovanović (Belgrade), Wed.14.00-14.45:
Isoenergetic integrability and contact systems with constraints
- Clémence Labrousse (Paris), Thu.11.45-12.30:
Complexity of integrable geodesic flows on tori
- Jean-Pierre Marco (Paris), Thu. 11.00-11.45:
Some measurements of the complexity of integrable systems
- Vladimir Matveev (Jena), Thu.9.45-10.30:
(Non)existence of integrals that are polynomial in momenta
- Eva Miranda (Barcelona), Thu.14.45-15.30:
A Poisson zoo of integrable systems

- Juan Morales-Ruiz (Madrid), Wed.13.10-13.55:
Galoisian Approach to Integrability of Schrödinger Equation
- Tien Zung Nguyen (Toulouse), Fri.11.30-12.15:
Singularities of integrable non-Hamiltonian systems
- Andriy Panasyuk (Olsztyn), Thu.16.00-16.45:
Lie-Poisson pencils related to semisimple Lie algebras: towards classification
- Jean-Pierre Ramis (Toulouse), Thu.14.00-14.45:
Iso-irregular deformations of linear O.D.E. and some conjectures about dynamics and non-integrability of Painlevé equations
- Dmitry Sinitsyn (Moscow), Thu.16.45-17.30:
Integrable Hamiltonian systems arising as averaged equations for geodesic flows on weakly deformed spheres
- Alexei Tsygvintsev (Lyon), Fri.13.30-14.15:
G-fractions and geometry of bounded analytic maps : Sundman-Poincare series revisited
- Jacques-Arthur Weil (Limoges), Fri.14.15-15.00:
An effective version of the Morales-Ramis-Simo integrability theorem

Posters

- Thierry Combot (Paris):
Integrability of homogeneous potentials of degree -1.
- Maylis Irigoyen (Paris):
Hamiltonian Systems : obstructions to Integrability.
- Hassan Najafi Alishah (Lisbon):
Tracing KAM tori in presymplectic dynamical systems.
- Florentina Nicolau (Rouen):
Flat Two-inputs Control Systems.