



Nonlinear PDE Days

Organizers

Frankfurt - Giessen - Karlsruhe

January 21 – 22, 2010

Liouville Theorems and Applications

Thomas Bartsch - Univ. Giessen
Michael Plum - Univ. Karlsruhe
Wolfgang Reichel - Univ. Karlsruhe
Tobias Weth - Univ. Frankfurt

Speakers

Xavier Cabré (ICREA and UPC Barcelona)
Alberto Farina (Univ. Picardie Amiens)
Vitaly Moroz (Swansea Univ.)
Pavol Quittner (Univ. Bratislava)
Philippe Souplet (Univ. Paris 13)

Schedule

Thursday, January 21st

2.00 - 2.45 p.m. **Xavier Cabré:** Liouville theorems in bistable diffusion equations. Standard and fractional diffusions I

3.00 - 3.45 p.m. **Pavol Quittner:** Liouville-type theorems and singularities

4.15 - 5.00 p.m. **Vitaly Moroz:** Existence and concentration for nonlinear Schrödinger equations with fast decaying potentials

5.15 - 6.00 p.m. **Philippe Souplet:** Liouville type theorems for semilinear elliptic systems: the Lane-Emden conjecture

Friday, January 22nd

9.00 - 9.45 a.m. **Xavier Cabré:** Liouville theorems in bistable diffusion equations. Standard and fractional diffusions II

10.00 - 10.45 a.m. **Alberto Farina:** Entire solutions and Liouville theorems

11.15 - 12.00 a.m. **Philippe Souplet:** Diffusive Hamilton-Jacobi equations: Bernstein estimates, Liouville-type theorems and applications

Location

Mathematisches Institut, Arndtstraße 2, 35392 Gießen

<http://www.uni-giessen.de/cms/fbz/fb07/fachgebiete/mathematik/mathematik/arbeitsgruppen/analysis/PDEdays2>