

NEW CONNECTIONS BETWEEN DYNAMICAL SYSTEMS AND PDE'S

Workshop Schedule

Sunday, July 6, 2003

9:00 am - Lawrence Evans: Tutorial on Viscosity Solutions of PDEs
10:30 am Vadim Kaloshin: Tutorial on Mather Sets in Dynamical Systems
2:00 pm Albert Fathi: The Connection between the Above Two Notions
3:30 pm Introductions and Discussion Session: moderated by Paul Rabinowitz

Monday, July 7, 2003

9:00 am - Victor Bangert - Aubry-Mather theory in dynamics and PDE's
Zhihong Xia - Arnold diffusion
Walter Craig - KAM theory in dynamics and in PDE's
Konstantin Khanin

Tuesday, July 8, 2003

Morning:

John Mather - Recent progress on Arnold diffusion
Patrick Bernard - Recent progress on Arnold diffusion
Luca Biasco - Recent progress on Arnold diffusion

Afternoon:

Paul Rabinowitz - PDE analogues of Aubry Mather Theory
Enrico Valdinoci - PDE analogues of Aubry Mather Theory
Discussion Session

Wednesday, July 9, 2003

Morning:

Panagiotis Souganidis - Stochastic analogs
Elena Kosygina - Stochastic analogs
Nalini Anantharaman - Stochastic analogs

Afternoon:

Franz Auer - Geometrical questions related to Bangert's survey
Massimiliano Berti - Small amplitude periodic solutions of nonlinear wave equations and

Thursday, July 10, 2003

9:00 am - 9:45 am: Gonzalo Contreras - Recent work concerning viscosity solutions/Mather
10:15 am - 11:00 am: Diogo Gomes - Recent work concerning viscosity solutions/Mather set
11:15 am - 12:00 pm: Renato Iturriaga - Recent work concerning viscosity solutions/Mathe
Afternoon: Discussion session