

List of Talks

Winter Seminar and Klausurtagung, La Clusaz (France), January 27 - 31, 2014

Monday, January 27

Time	Speaker	Title of Talk
09:00 - 10:00	Titi	Global Well-posedness of an Inviscid Three-dimensional Pseudo-Hasegawa-Mima-Charney-Obukhov Model, Part I
10:10 - 10:30	Koba	On stability of Leray's stationary solutions of the Navier-Stokes system in exterior domains
10:40 - 11:00	Mizerova	Pressure - stabilized characteristics finite element scheme for the Peterlin viscoelastic model
11:20 - 11:40	Zi	Global solution to the incompressible Oldroyd-B Model in the critical L^p framework: the case of non-small coupling parameter
14:50 - 12:10	Murata	Local in time unique existence theorem for the compressible fluid flow
LUNCH		
16:00 - 16:20	Tezuka	Global Stability Analysis of Flow around Cylinder and Spheroid
16:30 - 16:50	Ushikoshi	New approach to the Hadamard variational formula for the Green function of the Stokes equations
17:00 - 17:20	She	Linear stability analysis of plane Couette flow for the Oldroyd-B fluid
17:30 - 17:50	Notsu	P1/P1-stabilized characteristics finite element schemes for flow problems

Tuesday, 28th

Time	Speaker	Title of Talk
09:00 - 12:00	Free Discussions	
LUNCH		
14:00 - 17:00	Free Discussions	
17:00 - 18:00	Bothe	Continuum thermodynamics of chemically reacting fluid systems using partial momenta
18:30 - 20:00	DINNER	
20:00 - 21:00	Zatorska	On the Navier-Stokes-Maxwell-Stefan system for compressible mixtures

Wednesday, 29th

Time	Speaker	Title of Talk
09:00 - 10:00	Monniaux	Traces theorems for vector fields in special Lipschitz domains, Part I
10:10 - 10:30	Abe	Resolvent estimates for the Stokes equations in spaces of bounded functions
10:40 - 11:00	Rapp	Angle of bounded analyticity of the Stokes semi-group on L^∞_σ
11:30 - 11:50	Hsu	A Liouville theorem for the planer Navier-Stokes equations with the no-slip boundary condition and its application to a geometric regularity criterion
12:00 - 12:20	Kato	The global Cauchy problem for nonlinear dispersive equations on modulation spaces
LUNCH		
15:30 - 16:30	Kohlenbach	Proof Mining in Nonlinear Analysis
16:40 - 17:00	Koutsoukou-Argyaki	Proof Theory and PDEs
17:20 - 17:40	Schade	Strong stability of 2D viscoelastic Poiseuille-type flows, Part I
17:50 - 18:10	Sauer	Strong stability of 2D viscoelastic Poiseuille-type flows, Part II

Thursday, 30th

Time	Speaker	Title of Talk
09:00 - 10:00	Titi	Global Well-posedness of an Inviscid Three-dimensional Pseudo-Hasegawa-Mima-Charney-Obukhov Model, Part II
10:20 - 10:40	Yokoyama	Martingale Solutions for some Stochastic Euler Equations
10:50 - 11:10	Steinberg	On the Computational Complexity of Poisson's Problem
11:30 - 12:30	Monniaux	Traces theorems for vector fields in special Lipschitz domains, Part II

Friday, 31st

Time	Speaker	Title of Talk
09:00 - 09:20	Ohnawa	L^1 -stability of traveling waves in a radiating gas model
09:30 - 09:50	Fischer	Shape Optimization with the Navier-Stokes-Equations
10:00 - 10:20	Tsuda	Time periodic problem of the the compressible Navier-Stokes equation
10:30 - 11:00	von Below	Analysis of the Stokes equation in a layer domain