

Program

Klausurtagung IRTG 1529

Heinrich-Fabri-Institut Blaubeuren, June 28 - 30, 2010

	June 28	June 29	June 30
9.00 - 9.30		Paolo Galdi Energy methods for existence of global solutions to a solid-liquid problem	
9.10 - 9.30			Matthias Köhne On Helmholtz-Weyl Decompositions and Elliptic and Parabolic Problems on Weakly Singular Domains
9.35 - 9.55		Martin Sauer Stochastic Navier-Stokes-Coriolis-Equations in 2D with Space-Time White-Noise	Ryo Takada On the commutator estimates in the Besov and the Triebel-Lizrokin spaces related to the Euler equations
9.55 - 10.25		<i>Coffee Break</i>	<i>Coffee Break</i>
10.25 - 10.45		Georg Schöchtel Motion of inertial particles and passive tracers in a Gaussian random velocity field	Kohei Soga On the classical KAM theory and the weak KAM theory
10.50 - 11.10		Yuka Naito On the Non-newtonian fluid in an exterior domain in three dimensions	Christof Trunk On a resolvent estimate for the MHD operator in an infinite layer
11.15 - 11.35		Dario Götz The Navier-Stokes-Coriolis system and dispersive effects	Mads Kyed On the asymptotics of a Navier-Stokes flow around a rotating body
12:30		<i>Lunch</i>	<i>Lunch</i>
14.00 - 14.30	Robert Denk Resolvent estimates for mixed order systems	Okihito Sawada Remarks on the Euler equations with nondecaying data	
14.35 - 14.55	Karoline Götze Fluid-rigid body interaction problems	Yang Cao Lie theory of topological groups and applications to hydrodynamics	
15.00 - 16.00	<i>Coffee Break</i>	<i>Coffee Break</i>	
16.00 - 16.20	Christian Brandenburg Shape Optimization for the Instationary Incompressible Navier-Stokes Equations	Manuel Nesensohn Strong solutions for an Oldroyd-B model	
16.25 - 16.45	Tobias Hansel On the Oseen semigroup in exterior domains	Raphael Schulz Concentration-Diffusion Phenomena in Boussinesq Flows	
17.35 - 18.05	Atsuhiko Mizusawa On the topological invariants		
18.30	<i>Dinner</i>	<i>Dinner</i>	
19.30 - 21.00	PI/Students-Meeting	PI-Meeting	