

## Program

### Klausurtagung IRTG 1529

Heppenheim, July 4 -5, 2011

Time	July 4, 2011	July 5, 2011
9.15 - 9.35		Matthias Köhne Qualitative Behaviour of Solutions for the Two-Phase Navier-Stokes Equations with Surface Tension
9.45 - 10.05		Martin Sauer Fluctuations in an Evolutional Model of 2D Young Diagrams
10.15 - 10.35		Georg Schöchtel Motion of inertial particles in fractional Gaussian fields
10.00 - 10.40	Giovanni P. Galdi Lecture VIII on Topics in the Mathematical Theory of Navier-Stokes Equations	
<b>10.45</b>	<b>Coffee Break</b>	<b>Coffee Break</b>
11.00 - 11.20	Karoline Götze Motion of a rigid body with a cavity filled by a liquid	Christian Brandenburg Existence and Differentiability Results for Shape Optimization Problems
11.30 - 11.50	Tobias Hansel Density-dependent incompressible fluids in the exterior of a rotating obstacle	Alexander Stroh Control of turbulent flows
12.00 - 12.20	Raphael Schulz Spatial Asymptotic Behaviour for the Boussinesq Flow in Half Space	Christoph Albert Species Transport in Falling Films
12.30 - 12.50	Yang Cao Smooth vectors for Banach representations	Mads Kyed Asymptotic structure of a steady Navier-Stokes flow past and around a rotating body
<b>13.00</b>	<b>Lunch</b>	<b>Lunch</b>
15.00 - 15.20	Norihisa Ikoma On remarks about the minimizers of a coupled nonlinear Schrödinger equation	
15.30 - 15.50	Yutaka Terasawa Stochastic power-law fluids	
<b>16.00</b>	<b>Coffee Break</b>	
16.15 - 16.35	Manuel Nesensohn $L_p$ -Theory for a generalized nonlinear viscoelastic fluid model of differential type	
16.45 - 17.05	Dario Götz Two phase flow for a generalized Newtonian fluid model	
17.15 - 17.35	Christof Trunk On the bounded $H^\infty$ -calculus of the MHD operator	
<b>18.00</b>	<b>Dinner</b>	
19.30 - 20.30	PI-Meeting	
20.30 - 21.00	PI/Students-Meeting	