Short Communications, Kácov 2013

Saturday 25. 5. 2013

11:50	Ondřej	Souček	Prague	Czech Republic	Multiphase flows in geophysics.
12:00	Piotr	Minakowski	Prague	Czech Republic	Fluid model of crystal plasticity.
12:10	Michal	Pavelka	Prague	Czech Republic	Detailed thermodynamic analysis of polymer electrolyte membrane fuel cell efficiency.
12:20	Ewelina	Zatorska	Warsaw	Poland	Fundamental problems to Navier-Stokes systems for chemically reacting mixtures.
12:30	Dorota	Bors	Łódz	Poland	Models with dissipative mass.
12:40	Robert	Stanczy	Wroclaw	Poland	Nonlocal differential equations.

Sunday 26. 5. 2013

11:50	Davide	Catania	Brescia	Italy	On the linearized MHD-Maxwell plasma vacuum free interface problem.
12:00	Sara	Daneri	Zürich	Switzerland	Dissipative Hölder solutions to the incompressible Euler equations.
12:10	Ondřej	Kreml	Zürich	Switzerland	Global ill-posedness of the compressible isentropic Euler equations.
12:20	Nikolay	Gusev	Trieste	Italy	On the renormalization property of nearly incompressible vector fields in 2D.
12:30	Alessandro	Morando	Brescia	Italy	Contact discontinuities in 2D compressible MHD.
12:40	Martin	Lanzendörfer	Prague	Czech Republic	On some problems arising in hydrodynamic lubrication: incompressible piezoviscous fluids.

Tuesday 28. 5. 2013

11:50	Šimon	Axmann	Prague	Czech Republic	Regularity criteria for the weak solutions to Navier-Stokes equations concerning one velocity component.
12:00	Hi Jun	Choe	Seoul	South Korea	Partial regularity of incompressible Navier Stokes equations.
12:10	Michał	Łasica	Warsaw	Poland	On steady solutions to barotropic Navier-Stokes system with singular pressure laws.
12:20	Xian	Liao	Prague	Czech Republic	On the well-posedness of the nonhomogeneous incompressible models in the presence of mass diffusion.
12:30	Hana	Mizerová	Mainz	Germany	Error estimates for a viscoelastic fluid model.
12:40	Jonas	Sauer	Darmstadt	Germany	Navier-Stokes flow in Infinite cylinders of non-constant cross-section.

Thursday 30. 5. 2013

11:50	Krystian	Kazaniecki	Warsaw	Poland	On the continuity of Fourier multipliers on the homogeneous Sobolev spaces $\dot{W}^1_1(R^d)$.
12:00	Petr	Kaplický	Prague	Czech Republic	Maximal regularity of a generalized Stokes problem.
12:10	Jan	Burczak	Warsaw	Poland	Local smooth solutions to evolutionary symmetric p-Laplace system.
12:20	Martin	Kalousek	Prague	Czech Republic	Homogenization of generalized Navier-Stokes equations.
12:30	Václav	Mácha	Prague	Czech Republic	Higher integrability of generalized Stokes system under perfect slip.
12:40	Jakub	Tichý	Prague	Czech Republic	Regularity of planar flows for shear-thickening fluids under perfect slip boundary conditions.