

E. Liste der Publikationen

- 1) J. Wolf, *Existence of weak solutions to the equations of non-stationary motion of non-Newtonian fluids with shear rate dependent viscosity*, J. Math. Fluid Mech. **9** (2007), 104-138.
- 2) J. Wolf, *Interior $C^{1,\alpha}$ -regularity of weak solutions to the equations of stationary motion to certain non-Newtonian fluids in two dimensions*, Boll. U. M. I. (8) **10-B** (2007), 317-340.
- 3) M. Růžička, L. Diening, J. Wolf, *Existence of weak solutions for unsteady motion of generalized Newtonian fluids* (2008) (submitted).
- 4) J. Wolf, *Existence of turbulent weak solutions to the generalized Navier-Stokes equations in exterior domains and large time behaviour*, Preprint Nr. 07-4, Humboldt-Univ. Berlin, (2007).
- 5) D. Bucur, E. Feireisl, Š. Nečasová, J. Wolf, *On the asymptotic limit of the Navier-Stokes system on domains with rough boundaries* (submitted).
- 6) J. Wolf, *A direct proof of the Caffarelli-Kohn-Nirenberg theorem*, (to appear in: Proc. Conf. "Parabolic and Navier-Stokes equations", Banach center publications, Bedlewo, September, 10-17, 2006.)
- 7) J. Naumann, J. Wolf, *On the interior regularity of weak solutions to the non-stationary Stokes system*, (to appear in: Proc. conf. "Variational analysis and PDE's" Intern. Centre "E. Majorana", Erice, July 4-15, 2006.)
- 8) J. Wolf, *Interior regularity of weak solutions to the equations of stationary motion of a non-Newtonian fluid with shear-dependent viscosity. The case $q = \frac{3d}{d+2}$* , Comment. Math. Univ. Carol. **48**, 4 (2007), 659-668.
- 9) J. Naumann, J. Wolf, *Interior differentiability of weak solutions to the equations of stationary motion of a class of non-Newtonian fluids*. J. Math. Fluid Mech. **7** (2005), 298-313.
- 10) J. Wolf, *Generalization of the integration by parts with respect to the time derivative following the motion of a particle*, Preprint Nr. 02-9, Humboldt-Univ. Berlin, (2002).
- 11) J. Wolf, *Partial Regularity of weak solutions to nonlinear elliptic systems satisfying a Dini condition*. J. Anal. and its appl. **19** (2001), No. 2, 315-330.
- 12) J. Naumann, J. Wolf, *Hölder continuity of weak solutions to parabolic systems with controlled growth non-linearities (two spatial dimensions)*. Le Matematiche, Vol. LV (2000) n. **2**, 125-144.

- 13) J. Wolf, *Hölder continuity of weak solutions to certain nonlinear parabolic systems in two space dimensions*. In: Appl. Nonl. Analysis; A. Sequeira, H. Beirao da Veiga, J.H. Videman (editors); Kluwer Acad. / Plenum Publ., New York 1999, 531-546.
- 14) J. Naumann, J. Wolf and M. Wolff, *On the Hölder continuity of weak solutions to nonlinear parabolic systems in two space dimensions*. Comment. Math. Univ. Carol. **39** (1998), 237-255.
- 15) J. Naumann, J. Wolf, *Interior differentiability of weak solutions to parabolic systems with quadratic growth nonlinearities* Rend. Sem. Mat. Univ. Padova **98** (1997), 253-272.
- 16) J. Naumann, J. Wolf, *On the interior regularity of weak solutions of degenerate elliptic systems (the case $1 < p < 2$)*. Rend. Sem. Mat. Univ. Padova **88** (1992), 55-81.
- 17) J. Wolf, *A generalization of the fundamental estimates for $W^{m,p}$ -solutions ($1 < p < 2$) of linear system with constant coefficients*. Preprint, Humboldt-Univ. Berlin (1997).