Czech-Japanese Seminar in Applied Mathematics 2006

Lecture hall No. 235

Thursday September 14		Friday September 15		Saturday September 16	
9:00-9:05	Opening				
9:05-9:40	**M.T. Nakao** **Numerical verification of solutions for heat convection problems**	9:00-9:35	**T. Illangasekare** **Challenges in the Modeling the Behavior of Multiphase Flow in Naturally Heterogeneous Porous Media**	9:00-9:35	**T. Nishida** **Extended Fast Marching Method for the Sail Distance**
9:40-10:15	**Z. Jaňour** **Turbulence in the environmental flow**	9:35-10:10	**P. Frolkovič** **Flux-based level set method on unstructured grids**	9:35-10:10	**S. Yazaki** **Asymptotic behavior of solutions to an area-preserving motion by crystalline curvature**
10:15-10:50	coffee break	10:10-10:50	coffee break	10:10-10:50	coffee break
10:50-11:25	**T. Ishiwata** **Finite difference schemes for Landau-Lifshitz equation**	10:50-11:25	**R. Shioya** **Finite Element Analysis of 200 Million DOF Pressure Vessel model with ADVENTURE system on the Earth Simulator**	10:50-11:25	**T. Ushijima** **A numerical method for Gauss curvature flow based on crystalline algorithm**
11:25-12:00	**P. Guba** **Morphological instability of a pure material in a mixed phase**	11:25-12:00	**R. Holub** **Why the Classical Nucleation Theory (CNT) Cannot Work**	11:25-12:00	**F. Maršík** **Non-Equilibrium Thermodynamics Conception of Energy and Mass Transfer in Living Tissues and in Fuel Cells**
12:00-14:00	lunch	12:00-14:00	lunch	12:00-14:00	lunch
14:00-14:35	**S. Omata** **Droplet motion with some contact angle**	14:00-14:35	**K. Mikula** **Computational methods in image analysis**	14:00-14:35	**H. Fujiwara** **Application of Multiple-Precision Arithmetic to Numerically Unstable Problems**
14:35-15:10	**J. Plešek** **On the dispersion error of finite element meshes**	14:35-15:10	**J. Tintěra** **Cardio MRI - dynamic examination of the heart hemodynamic functions**	14:35-15:10	**P. Knobloch** **Extensions of the Mizukami-Hughes method for convection-diffusion equations**
15:10-15:45	**D. Tagami** **3-dimensional Thermal Convection Computations in the Glass Production Furnace**	15:10-15:45	**Poster session**	15:10-15:45	**Y. Hiraoka** **Computer Assisted Analysis for the existence of home/heteroclinic orbits**
15:45-16:20	coffee break	15:45-16:10	coffee break	15:45-16:20	coffee break
16:20-16:55	**K. Ikeda** **On a reaction-diffusion model for smolder patterns under micro-gravity**	16:10-16:45	**H. Kasai** **Some gauge invariant estimates for Ginzburg-Landau equations**	16:20-16:55	**T. Okuda** **Bifurcations for Turing's instability without SO(2) symmetry**
16:55-17:30	**M. Kimura** **Exponential decay of the first eigenvalue of an elliptic problem with large drift**	16:45-17:20	**K. Švadlenka** **Volume-Preserving Motion**	16:55-17:30	**T. Nakaki** **Relaxation oscillation of seven point vortices**
19:00	Theater	18:30	Seminar dinner	17:30	Announcements