The 29th Kyushu Symposium on Partial Differential Equations

Organizers: Shuichi Kawashima (Kyushu University)
Shin-Ichiro Ei (Kyushu University)
Yoshiyuki Kagei (Kyushu University)

Date January 23 – January 25, 2012
Venue Kyushu University Nishijin Plaza

Program

January 23 (Monday)

14:00 ∼ 14:50 Yoshitsugu Kabeya (Osaka Prefecture Univ.)
Structures of positive solutions to nonlinear elliptic problems on the hyperbolic space or on a spherical cap

15:00 ∼ 15:50 Kanako Suzuki (Tohoku Univ.)
Unstable patterns in a reaction-diffusion system modeling pattern formations

16:10 ∼ 17:00 Yoshihiro Tonegawa (Hokkaido Univ.)
A general regularity theorem for weak mean curvature flow

January 24 (Tuesday)

10:00 ∼ 10:50 Shoji Yotsutani (Ryukoku Univ.)
Blow up phenomena for plane closed elastic curves and global structure

11:00 ∼ 11:50 Katsuyuki Ishii (Kobe Univ.)
An area minimizing scheme for anisotropic mean curvature flow

14:00 ∼ 14:50 Philippe G. LeFloch (Univ. Pierre et Marie Curie)
Self-similar vanishing viscosity-capillarity limits

15:00 ∼ 15:50 Hiroshi Otsuka (Univ. Miyazaki)
On the asymptotic nondegeneracy for the problems with exponential nonlinearities

16:10 ∼ 17:00 Hiroko Morimoto (Meiji Univ.)
Time periodic motion of fluid flow under inhomogeneous boundary condition

January 25 (Wednesday)

$10:00 \sim 10:50$ Kimitoshi Tsutaya (Hirosaki Univ.)
Global existence and asymptotic behavior of solutions to a Hartree-type wave equation

$11:00 \sim 11:50$ Hiroyuki Takamura (Future Univ. Hakodate)
The final problem on the optimality of the general theory for nonlinear wave equations and related topics

$14:00 \sim 14:50$ Keiichi Kato (Tokyo Univ. of Science)
Application of wave packet transformation to Schrödinger equations with a sub-quadratic potential

$15:00 \sim 15:50$ Jun Kato (Nagoya Univ.)
Contraction mapping principle for the Hartree equation of the long range type

$16:10 \sim 17:00$ Kunimochi Sakamoto (Hiroshima Univ.)
A non-standard bifurcation of periodic traveling waves in the derivative nonlinear Schrödinger equation