

The 13th Northeastern Symposium on Mathematical Analysis

Date : 2012-2-17 (Fri) ~ 2012-2-18 (Sat)

Place : Room 5-201, Faculty of Science Building #5,
Hokkaido University, Sapporo, Japan

Organizer : Yoshihiro Tonegawa (Hokkaido University)
Tsuyoshi Yoneda (Hokkaido University)
Shinya Okabe (Tohoku University)

http://www.math.sci.hokudai.ac.jp/sympo/nema/13_en.html

2012 - 2-17 (Fri)

09:40--09:50 Opening

09:50--10:40 Jian Zhai (Zhejiang University)
Geometry and physics of solutions to Landau-Lifshitz equation

10:50--11:40 Takashi Sakajo (Hokkaido Univ.)
Enstrophy dissipation in Euler-alpha point vortices via triple collapse

13:00--13:50 Hideo Kozono (Tohoku Univ.)
Uniqueness of weak solutions to the parabolic-elliptic Keller-Segel system

14:00--14:40 Tsukasa Iwabuchi (Tohoku Univ.)
Ill-posedness for the nonlinear Schrödinger equations in one space dimension

14:50--15:20 Michiaki Onodera (Tohoku Univ.)
A moment-preserving flow for surfaces

Short Communication

15:30--15:50 Kota Kasai (Hokkaido Univ.)
Regularity of weak mean curvature flow

15:50--16:10 Noriaki Teranishi (Hokkaido Univ.)
On the ground states of generalized spin boson model

16:20--17:45 Poster Session

18:00--20:00 Reception

2012 - 2-18 (Sat)

9:50--10:40 Jun-ichi Segata (Tohoku Univ.)
Modified energy method with application to well-posedness for the higher order dispersive equation

10:50--11:40 Eva Hang Koo (The University of British Columbia)

Global Well-posedness for 2D Radial Schrödinger Maps into the Sphere

13:00--13:40 Yutaka Terasawa (The Univ. of Tokyo)
On Time-Singular sets of weak solutions of generalized Navier-Stokes Fluids

13:50--14:20 Ryo Takada (Tohoku Univ.)
Local well-posedness for the Navier-Stokes equations with the Coriolis force

14:30--15:00 Masashi Mizuno (Hokkaido Univ.)
Boundary monotonicity formula for the Allen-Cahn equation

Short Communication

15:20--15:40 Masaaki Kudo (Tohoku Univ.)
Behavior of solutions on a normally hyperbolic invariant manifold for a semilinear parabolic equation

15:40--16:00 Yohei Fujishima (Tohoku Univ.)
Blow-up set for a semilinear heat equation with exponential nonlinearity

16:00--16:20 Hajime Koba (The Univ. of Tokyo)
On Energy Inequality, Smoothness and Large Time Behavior for Weak Solutions of an Ekman Perturbed System

Please visit the website for updated information on the symposium.

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