

第19回北東数学解析研究会

The 19th Northeastern Symposium on Mathematical Analysis

日程：2018年2月19日（月）～20日（火）

場所：北海道大学理学部5号館講義室5-201室

主催者：相川弘明（北大） 岩渕司（東北大） 浜向直（北大）

<http://www.math.sci.hokudai.ac.jp/sympo/nema/19.html>

February 19 (Mon.)

9:30 ~ 9:40 Opening

9:40 ~ 10:30 Akihito Hora (Hokkaido Univ.)

On evolution of macroscopic profiles and their fluctuations for growing random Young diagrams

10:40 ~ 11:30 Takahiro Okabe (Hirosaki Univ.)

Remark on the local solvability of the Navier-Stokes equations in weak Lebesgue spaces

11:30 ~ 13:30 Lunch Break

13:30 ~ 14:00 Patrick Tolksdorf (TU Darmstadt)

Resolvent estimates in Morrey spaces

14:10 ~ 14:40 Andreas Rätz (TU Dortmund)

A coupled bulk-surface model for lipid raft formation in biological membranes

15:00 ~ 15:20 Satoshi Handa (Hokkaido Univ.)

The behaviour of the Ising single spin expectation at any temperature

15:20 ~ 15:40 Kotaro Hisa (Tohoku Univ.)

Existence of solutions for a fractional semilinear parabolic equation with singular initial data

16:00 ~ 18:15 Free Discussion & Poster Session

19:00 ~ Banquet

February 20 (Tue.)

9:40 ~ 10:30 Matthias Röger (TU Dortmund)

Nonlocal perturbations of higher-order interfacial energies

10:40 ~ 11:30 Hideo Kozono

(Waseda Univ./Tohoku Univ.)

Finite energy for the Navier-Stokes equations and Liouville-type theorems

11:30 ~ 13:10 Lunch Break

13:10 ~ 13:40 Yuta Aihara (Hokkaido Univ.)

Functional differential operators on Fock spaces in the Q -space representation

13:50 ~ 14:20 Martin Saal (TU Darmstadt)

The primitive equations with only horizontal viscosity

14:30 ~ 15:00 Yuan Gao (Hong Kong Univ. of ST)

Global existence and latent singularity of solutions to thin film equations deriving from epitaxial growth

15:20 ~ 15:40 Shota Tateyama (Tohoku Univ.)

Existence of L^p -viscosity solutions to the double obstacle problem with unbounded ingredients

15:40 ~ 16:00 Fumihiko Nakamura (Hokkaido Univ.)

Asymptotic periodicity of Markov operator for perturbed Nagumo-Sato model

16:00 ~ 16:20 Poster Award Ceremony & Closing