

第 19 回北東数学解析研究会 ーポスターセッションー
The 19th Northeastern Symposium on Mathematical Analysis –Poster Session–

Location: Room 5-206, Faculty of Science Building #5, Hokkaido University

Period: 16:00–18:15, February 19 (Mon), 2018

Presenters

No.

1. Nils Dabrock (Technische Universität Dortmund)
Graphical mean curvature flow with stochastic perturbations
2. 福田 一貴/Ikki Fukuda (北海道大学/Hokkaido University)
Asymptotic profile for the generalized KdV-Burgers equation with slowly decaying data
3. 古谷 健登/Kento Furuya (東北大学/Tohoku University)
Existence and lifespan of solutions to nonlinear damped wave equations with viscoelastic damping term
4. 石井 宙志・祐川 翼/Hiroshi Ishii, Tsubasa Sukekawa (北海道大学/Hokkaido University)
Interacting pulses in a coupling system of RDEs with conservation law
5. 板坂 健太/Kenta Itasaka (北海道大学/Hokkaido University)
Wave-breaking phenomena and global existence for the generalized Fornberg-Whitham equation
6. Md. Rabiul Haque/ (東北大学/Tohoku University)
Convection Diffusion equation in a uniformly local Lebesgue space
7. 原 宇信/Takanobu Hara (北海道大学/Hokkaido University)
A Carleson-type estimate for p -superharmonic functions
8. 梶原 直人/Naoto Kajiwara (東京大学/The University of Tokyo)
Global well-posedness for the Cahn-Hilliard equation in bounded domains with permeable and non-permeable walls
9. 川越 大輔/Daisuke Kawagoe (京都大学/Kyoto University)
Propagation of boundary-induced discontinuity in stationary radiative transfer and its application to the optical tomography
10. 駒田 洸一/Koichi Komada (東北大学/Tohoku University)
Scattering problem for nonlinear partial differential equation with nonlocal dispersive term
11. Klaus Kress (Technische Universität Darmstadt)
Strong time-periodic solutions to the bidomain equations subject to arbitrary large forces
12. 三栖 邦康/Kuniyasu Misu (北海道大学/Hokkaido University)
Game interpretation and a weak comparison principle for the mean curvature flow equation with discontinuous source terms
13. 三宅 庸仁/Nobuhito Miyake (東北大学/Tohoku University)
Global-in-time behavior of solutions for a fourth order parabolic equation modeling epitaxial thin-film growth

14. 森下 順貴/Junki Morishita (北海道大学/Hokkaido University)
Finite free probability
15. 向井 晨人/Asato Mukai (東北大学/Tohoku University)
Large time behavior of solutions of the heat equation with inverse square potential
16. Albert Rodriguez Mulet (北海道大学/Hokkaido University)
Eigenfrequencies of a thin straight elastic body
17. 中里 亮介/Ryosuke Nakasato (東北大学/Tohoku University)
Blow-up criterion for the density-dependent magnetohydrodynamics system in critical Besov spaces
18. 中山 耕平/Kohei Nakayama (東北大学/Tohoku University)
The isoperimetric inequality for planar closed curves of Abresch-Langer type and its application
19. 新村 貴之/Takayuki Niimura (北海道大学/Hokkaido University)
Determining functionals for a nonlocal extensible beam equation
20. 尾上 文彦/Fumihiko Onoue (東京大学/The University of Tokyo)
A varifold formulation of mean curvature flow with Dirichlet or dynamic boundary condition
21. 佐藤 拓也/Takuya Sato (東北大学/Tohoku University)
Analytic smoothing effect for a quadratic nonlinear Schrödinger system with mass resonance
22. 清水 一慶/Ikkei Shimizu (京都大学/Kyoto University)
Remarks on local well-posedness for Schrödinger maps near harmonic maps
23. 勝呂 剛志/Takeshi Suguro (東北大学/Tohoku University)
Beckner type of the logarithmic Sobolev and a new type of Shannon's inequalities and an application to the uncertainty principle
24. 武田 圭祐/Keisuke Takeda (東北大学/Tohoku University)
Smoothing effect by noise for nonlinear Schrödinger equation
25. 塚本 悠暉/Yuki Tsukamoto (東京工業大学/Tokyo Institute of Technology)
A priori estimate for mean curvature flow with triple junction
26. 植田 優基/Yuki Ueda (北海道大学/Hokkaido University)
Unimodality for free Brownian motions with initial distributions
27. 和久井 洋司/Hiroshi Wakui (東北大学/Tohoku University)
Unboundedness and mass concentration phenomena for solutions to a degenerate drift-diffusion equation with the mass critical exponent
28. Marc Wrona (Technische Universität Darmstadt)
Convergence rate of the anisotropic Navier Stokes equations to the primitive equations
29. 山口 真由子/Mayuko Yamaguchi (東北大学/Tohoku University)
Dynamics of solutions for an elliptic-parabolic system with power nonlinearity
30. 吉澤 研介/Kensuke Yoshizawa (東北大学/Tohoku University)
Existence of solutions to the parabolic biharmonic equation with time-dependent obstacle