

The 39th Kyushu Symposium on Partial Differential Equations

DATE: January 17 – 18, 2022

VENUE: Online via ZOOM and

IMI Auditorium (W1-D-413) (4F, West Zone 1, Kyushu University)

PROGRAM

January 17 (Monday)

- 10:00 – 10:50 Takashi Kagaya (Muroran Institute of Technology)
Singular Neumann boundary problems for a class of fully nonlinear parabolic equations
- 11:00 – 11:50 Norihisa Ikoma (Keio University)
Solvability and Nonsolvability of Born-Infeld equation with general charges
- 14:00 – 14:50 Hideo Kozono (Waseda University and Tohoku University)
Analyticity in space-time of solutions to the Navier-Stokes equations via parameter trick based on maximal regularity
- 15:00 – 15:50 Futoshi Takahashi (Osaka City University)
Asymptotic behavior of least energy solutions to the Finsler Lane-Emden problem with large exponents
- 16:10 – 17:00 Tetsutaro Shibata (Hiroshima University)
Bifurcation diagrams of one-dimensional nonlocal elliptic equations

January 18 (Tuesday)

- 10:00 – 10:50 Ken Abe (Osaka City University)
Rigidity of Beltrami fields with a non-constant proportionality factor
- 11:00 – 11:50 Yoshio Tsutsumi (Kyoto University)
Well-posedness of the Cauchy problem for the kinetic DNLS on 1D torus
- 14:00 – 14:50 Shuji Yoshikawa (Oita University)
Energy conserving finite difference scheme for 1D thermoviscoelastoplastic system under uniformly distributed temperature
- 15:00 – 15:50 Masakazu Kato (Muroran Institute of Technology)
The lifespan of solutions to nonlinear wave equations with critical damping and potential
- 16:10 – 17:00 Kentaro Fujie (Tohoku University)
Global boundedness in a fully parabolic chemotaxis system with local sensing in higher dimensions

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