The 40th Kyushu Symposium on Partial Differential Equations

Date: January 30 – February 1, 2023 Venue: Kyushu University, Nishijin Plaza

http://nishijinplaza.kyushu-u.ac.jp/english/index.php

Program

January 30 (Monday)	
13:40 – 14:30	Philippe G. LeFloch (Sorbonne Université, Paris) Recent advances on Einstein equations of general relativity
14:40 – 15:30	Yuta Wakasugi (Hiroshima University) Asymptotic expansion of solutions to the wave equation with space-dependent damping
15:50-16:40	Tatsuya Miura (Tokyo Institute of Technology) On the fine structure of the singular set of distance functions
16:50 – 17:40	Yohei Yamazaki (Kyushu University) Center stable manifold for ground states of nonlinear Schrödinger equations with internal modes
January 31 (Tuesday)	
10:00-10:50	Neal Bez (Saitama University) Boundary Strichartz estimates for orthonormal systems
11:00-11:50	Ikkei Shimizu (Osaka University) Phase transition threshold and stability of magnetic skyrmions
14:00 – 14:50	Julio D. Rossi (Universidad de Buenos Aires) Different notions of convexity
15:00-15:50	Yoshihito Kohsaka (Kobe University) On traveling waves of geometric evolution equations with area constraints
16:10 – 17:00	Yoshihiro Shibata (Waseda University) On L^1 maximal regularity

February 1 (Wednesday)

10:00-10:50	Tomasz Piasecki (University of Warsaw) Stability of the density patches problem with vacuum for incompressible inhomogeneous viscous flows
11:00 – 11:50	Tsukasa Iwabuchi (Tohoku University) A localized maximum principle and its application to the critical SQG on bounded domain
13:40 – 14:30	Kai Koike (Tokyo Institute of Technology) Time-asymptotic expansion with pointwise remainder estimates for 1D viscous compressible flow
14:40 – 15:30	Masashi Aiki (Tokyo University of Science) The Hasimoto Transformation for a Finite Length Vortex Filament and its Application
15:50 – 16:40	Atsushi Yoshikawa (Kyushu University) The initial layer and the related asymptotic class of functions

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Organizers:

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