

The 24th Northeastern Symposium on Mathematical Analysis

Date : 20-21 February 2023
Venue : Kawai Hall, Graduate School of Science, Tohoku University
(at Kita-Aobayama Campus)
6-3, Aramaki Aza-Aoba, Aoba-ku, Sendai 980-8578
<https://www.sci.tohoku.ac.jp/campusmap/kita-aobayama/>
URL: https://www.math.sci.hokudai.ac.jp/sympo/nema/24_en.html

Posters

- P1. Dáithí Ó hAodha (Tohoku University, D2)
Large-Time Behaviour of Solutions to the Linearised Compressible Navier-Stokes Equations
- P2. Yudai Kanda (Tohoku University, M2)
Gradient inequality for a Sobolev gradient flow and its application to Gross-Pitaevskii eigenvalue problem
- P3. Sho Katayama (The University of Tokyo, M2)
Thresholds for the existence of solutions to supercritical elliptic problems
- P4. Shunsuke Kitamura (Tohoku University, D1)
The lifespan estimates of classical solutions of one dimensional semilinear wave equations of derivative type with characteristic weights
- P5. Mizuki Kojima (Tokyo Institute of Technology, D1)
On a time-fractional doubly critical equation, and its quantitative approach to the classical counterpart
- P6. Kenta Kumagai (Tokyo Institute of Technology, M2)
Regularity of extremal solutions of semilinear elliptic equations with general nonlinearities
- P7. Fuya Hiroi (Tohoku University, M2)
Curve diffusion flow for planar open curves on V-shaped polygonal lines
- P8. Kazuya Hirose (Hokkaido University, M2)
A dynamical approach to lower gradient estimates for viscosity solutions of Hamilton-Jacobi equations
- P9. Shimpei Makida (Hokkaido University, D1)
Stability of viscosity solutions on expanding networks

- P10. Hiroki Miyakawa (Tohoku University, M2)
Maximal regularity for degenerate elliptic and parabolic equations of p -Laplacian type
- P11. Yoshihito Nakajima (Tohoku University, M2)
Time-fractional evolution equations and applications to degenerate parabolic equations
- P12. Shozo Ogino (Tohoku University, M2)
Singular limit problem of the initial value problem to the compressible Navier-Stokes equations in the critical Besov space
- P13. Yusuke Oka (The University of Tokyo, M2)
Existence of solutions for time fractional semilinear parabolic equations in Besov–Morrey spaces
- P14. Akihito Ohgane (Hokkaido University, M2)
Appropriate selection of sensory input produces good swing movement
- P15. Florian Salin (Tohoku University, D1)
Implicit Scheme for Fractional Nonlinear Diffusion Equation Preserving Decay of Energy
- P16. Kotaro Sato (Tohoku University, D2)
On some unidirectional evolution equation arising from fracture mechanics

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