

I 数学プログラム

- ・ 数学専攻

- ・ 数学科

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Lasso

Strong Maximum Principle for Some Second-Order Quasilinear Elliptic Partial Differential Equations

(1,1)- Goeritz

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Post-Lie-Yamaguti post- s-
determinant

p(t)-Laplacian

Enforce Operator

Split Dynkin index

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Alternating links and cubed complexes

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The computational complexity of the solid torus core recognition problem

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Tropical lifting problem for the intersection of plane curves

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Arithmetic dynamics on algebraic varieties

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Topology and Geometry of Low-dimensional Manifolds

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2024 Japan-Korea Workshop on Nonlinear PDEs and Its Applications

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Takamatsu Workshop on Differential Equations and Related Topics

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Zoom

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Yama Nim and a comply/constrain operator of combinatorial games

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B702

Virasoro

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2023 8 4 15:00-16:30

B702

Simon Brandhorst Saarland University

K3 surfaces of zero entropy (Joint work with Giacomo Mezzedimi)

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2023 9 29 15:00-16:30

B702

Davide Cesare Veniani Stuttgart University

Non-degeneracy of Enriques surfaces

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2023 10 6 15:00-16:30

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Pho Duc Tai VNU University of Science, Hanoi

On the arithmetic of Edwards curves

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Preimages question of self-morphisms on projective varieties over number fields

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Dino Festi The University of Padua

Black holes, rationalizability and modularity

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3 generalized torsion

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E210 Microsoft Teams

Global well-posedness for the ℓ^p -component Sobolev critical nonlinear Schrödinger systems with the general nonlinearity

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2023 6 9 16:30 – 17:30
E211 Microsoft Teams

Modulation spaces and Schrödinger equations with time-dependent magnetic fields

267

2023 6 23 16:30 – 17:30
B707 Microsoft Teams

Lorenzo Pompili University of Bonn
On the Miura map and the stability of solitons of the KP-II equation

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E211 Microsoft Teams

A Rellich type theorem for the generalized oscillator

269

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Julián López-Gómez Complutense University of Madrid
Nodal solutions for a class of degenerate BVP's

270

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B707

Phase transition threshold and stability of magnetic skyrmions

271

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Instant blow-up of solutions of semilinear wave equations with increasing spatial weights in one space dimension

272

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B707

Xiaoyan Li

Fast energy decay for wave equation with a monotone potential and an effective damping

274

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Diffusion wave phenomena and L^p estimates of solutions of compressible viscoelastic system
16:30 – 17:30

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A Rellich type theorem for the generalized oscillator

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k-summability of the formal solution of inhomogeneous non-Kowalevskian equations

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Bessel

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Nhat-An Pho Hanoi National University of Education

Tamed-adaptive Euler-Maruyama approximation for SDEs with superlinearly growing and discontinuous coefficients

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Divergence

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Semiparametric adaptive estimation under informative sampling

Efficient Empirical Likelihood Inference for Informative Sampling

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Modeling of symmetry for square contingency tables and its application

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Professor Jiang Hu Northeast Normal University

Eigenvalues of high-dimensional noncentral Fisher matrices with applications

Professor Ke-Hai Yuan University of Notre Dame

Partial Least-Squares Approach to Structural Equation Modeling: Methodology, Properties and Applications

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Quandle twisted Alexander invariants with cohomologous Alexander pairs

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Junsik Bae Ulsan National Institute of Science and Technology

Nonexistence of multi-dimensional solitary waves in unmagnetized plasma

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Enforce Operator

Triangular Nim
(a,b,c)-Nim

Triangular Nim Wythoff Variation

Transfinite Triangular Nim

Enforce Operator Carry On Option

Entail

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 , _____, Comply/constrain operator of combinatorial games .
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Niemeier Leech
 nodal

Ichiro Shimada, A note on construction of the Leech lattice. Discrete Math. 347 (2024), no. 3, Paper No. 113832, 13 pp.

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Takayuki Okuda, Kobayashi's properness criterion and Coarse geometry. 7th Tunisian-
Japanese Conference, GeometrT rmonT ses o neo pa

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K. Teramoto, Caustics of pseudo-spherical surfaces in the Euclidean 3-space. Forum Math., 36, (2024), 21-32.

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Joseph-Lundgren

$N = 10$

Singular

extremal solution

Trudinger-Moser

Yuki Naito, Multiplicity of singular solutions to a class of semilinear elliptic equations. Mem. Differ. Equ. Math. Phys. 90 (2023), 97-110.

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_____, A bifurcation diagram of solutions to semilinear elliptic equations with general supercritical growth. , 2023 6 ,

- (1) Poisson large solution Journal of Mathematical Analysis and Applications $u=u^p+u^q$ ($p>1, -1<q<p$)
- (2) Poisson $u=u^p+u^q$ ($p>1, -1<q<p$)
- (3) Poisson $u=u^p+u^q$ ($p>1, -1<q<p$) (1)
- (4) $F(x,u,Du,D^2u)=0$ L^p u F
- (5) Laplace
- (6) k -Hessian Dirichlet

_____, The exterior Dirichlet problem for the generalized parabolic k -Hessian equations. , 2251 (2023), 29-42.

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 solution , 2023 9 20 . 2023

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 Schrodinger
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scale parameter. , 2023 6 ,

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. 19 , 2023 9 ,

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ARMA

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Ohishi M., Kirishima K., Okamura K., Itoh Y., & Yanagihara H., Geographically weighted sparse group Lasso: local and global variable selections for GWR. The 15th International KES Conference, IDT-23, 2023 6 14 16 , Rome, ITALY

Horikawa K., Nagai I., Monden R., & Yanagihara H., Estimation algorithms for MLE of three-mode GMANOVA model with Kronecker product covariance matrix. The 15th International KES Conference, IDT-23, 2023 6 14 16 , Rome, ITALY

Monden R., Nagai I., & Yanagihara H., Implications of the usage of the three-mode principal component analysis with fixed polynomial-basis. The 15th International KES Conference, IDT-23, 2023 6 14 16 , Rome, ITALY

Yamamura M., Ohishi M., & Yanagihara H., Spatio-temporal analysis of rates derived from count data using generalized fused Lasso Poisson model. The 15th International KES Conference, IDT-23, 2023 6 14 16 , Rome, ITALY

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Kolmogorov

Vitali

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Habegger-Lin

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Kazuo Habiro and Yuka Kotorii, Ribbon Yetter–Drinfeld modules and tangle invariants. Journal of Topology and Analysis, 2023.

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Yuka Kotorii, . ACT-X ,
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, _____, Robust Bayesian Inference for Censored
Survival Models. 2023 , 2023 9 6
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 Untangling global problems using knots , Nature branded-content article 2024 3
 HIROSHIMA UNIVERSITY UPDATE 2 “SKCM2 ’s mission to knot and knit a
 sustainable world, HU ’s World Premier International Research Center Initiative Institute”,
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Differential Equation and Application,
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Behaviormetrika,
Hiroshima Mathematical Journal,
Japanese Journal of Statistics and Data Science,
Hiroshima Mathematical Journal,

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WPI-SKCM2

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Local Organizing Committee for ISBA 2026 World Meeting 2026

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