

第一届北京数学前沿博士生学术交流会议会议日程

--基础数学分会场--

10月26日				
时间	报告题目	报告人	主持人	地点
8:00-8:30	开幕式		张宁馨	智华楼 丁石孙教室
8:50-9:20	Entropy and Heat Kernel on Generalized Ricci flow	李希伦	于惠施	智华楼 丁石孙教室
9:25-9:55	Dynamical Mordell–Lang conjecture for totally inseparable liftings of Frobenius	杨舍		
10:00-10:20	茶歇			
10:20-10:50	Around higher arithmetic degrees of dominant rational self-maps	宋嘉瑞	于惠施	
10:55-11:25	A lower bound for the spectral radius of complex matrices	张腾		
午休				
时间	报告题目	报告人	主持人	地点
13:30-14:00	The rigidity results of Bryant Ricci soliton	赵子颐	陈宇轩	智华楼 丁石孙教室
14:05-14:35	Localization for quasi-periodic Schrödinger operators on Z^d with asymmetric C^2 -cosine like potentials	曹鸿艺		
14:40-15:10	Self-similar algebraic spiral solutions for 2-D incompressible Euler equations	邵锋		
15:15-15:35	茶歇			
15:35-16:05	Derivative estimates of pluriclosed flow	叶亚楠	陈宇轩	
16:10-16:40	On dimension theory of random walks and group actions by circle diffeomorphisms	焦宇翔		
16:45-17:15	Splash singularity for the free boundary incompressible viscous MHD	杨思奇		
17:30-19:00	晚宴			勺园西餐厅

10月27日				
时间	报告题目	报告人	主持人	地点
8:15-8:45	Uniform exponential growth for groups with proper product actions on hyperbolic spaces	万仁星	齐文轩	智华楼

8:50-9:20	Decorated lattice Paths and the Colored Ascents	辛华		丁石孙教室
9:25-9:55	On the Positivity of Twisted L^2 -Torsion for 3-Manifolds	段剑儒		
10:00-10:20	茶歇			
10:20-10:50	Minimal length of nonsimple closed geodesics on hyperbolic surfaces	申武杰	齐文轩	
10:55-11:25	A discrete uniformization theorem for decorated piecewise Euclidean metrics on surfaces	郑超		
午休				
时间	报告题目	报告人	主持人	地点
13:30-14:00	Ihara Lemmas and Arithmetic Level Raising for Odd Unitary Groups	白瑞祺	邱添	智华楼 丁石孙教室
14:05-14:35	Hasse principle for Châtelet surfaces bundles over number fields	胡广		
14:40-15:10	The distribution of central values of quadratic twisted L-functions	华晟昊		
15:15-15:35	茶歇			
15:35-16:05	Explicit Kodaira–Spencer map over Hilbert modular varieties	郭子棋	邱添	
16:10-16:40	An integration formula of Chern forms on quasi-projective varieties	郭若一		
17:00-17:30	闭幕式		张宁馨	智华楼 丁石孙教室

--概率统计和金融数学分会场--

10月26日				
时间	报告题目	报告人	主持人	地点
8:00-8:30	开幕式		张宁馨	智华楼 丁石孙教室
8:50-9:20	On-site model calibration via local linear smoother	孙杨	陈宣玮	智华楼 四元厅
9:25-9:55	基于先验知识指导的多模态图像融合算法研究	赵子祥		
10:00-10:20	茶歇			
10:20-10:50	ARTree: A Deep Autoregressive Model for Phylogenetic Inference	谢添雨	陈宣玮	
10:55-11:25	Generalized Cell Type Annotation and Discovery for Single-cell RNA-seq Data	翟雨瑶		
午休				
时间	报告题目	报告人	主持人	地点

13:30-14:00	On Consistency of Signatures Using Lasso	赵朝熠	徐紫怡	智华楼 四元厅
14:05-14:35	Periodicity in the Optimal Liquidation Game with a Major Player	陈宇凡		
14:40:15:10	Sparse mediation analysis with unmeasured mediator-outcome confounding	帅康		
15:15-15:35	茶歇			
15:35-16:05	A stable risk-adjusted performance measure for capital allocation and its economic interpretation	陈尔默	徐紫怡	
16:10-16:40	A Composite Change of Time Model for SPX and VIX Derivative Markets	程列新		
17:30-19:00	晚宴			

10月27日				
时间	报告题目	报告人	主持人	地点
8:15-8:45	On the Stability and Extremum of Discrete Harmonic Measure	蔡振豪	巩舒阳	智华楼 四元厅
8:50-9:20	Asymptotic expansion for branching killed Brownian motion with drift	侯浩杰		
9:25-9:55	Rate of Convergence in Fourth Moment Theorem of Wiener-It ^o Integral	陈慧萍		
10:00-10:20	茶歇			
10:20-10:50	Extrema of two-type reducible branching Brownian motion	马恒	巩舒阳	
10:55-11:25	Weak universality results for KPZ equation	孔繁淏		
午休				
时间	报告题目	报告人	主持人	地点
13:30-14:00	A self-censoring model for multivariate nonignorable nonmonotone missing data	李奕霖	陈雨静	智华楼 善兰厅
14:05-14:35	Nonlinear Cointegrating Regressions with Nonstationary Nonlinear Heteroskedasticity	李峥		
14:40:15:10	StabGKnock: Controlled variable selection for high-dimensional partially linear models using generalized knockoffs	苏瀚		
15:15-15:35	茶歇			
15:35-16:05	Semi-Implicit Variational Inference via Score Matching	余龙林	陈雨静	
16:10-16:40	Causal attribution with confidence	张平		

17:00-17:30	闭幕式	张宁馨	智华楼 丁石孙教室
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--计算与应用数学分会场--

10月26日				
时间	报告题目	报告人	主持人	地点
8:00-8:30	开幕式		张宁馨	智华楼 丁石孙教室
8:50-9:20	A Deep Learning Method for Computing Eigenvalues of the Fractional Schrödinger Operator	郭义销	李天佑	理一 1114
9:25-9:55	Neural Network-based Methods for Parameter Identification involving Partial Differential Equations	段晨光		
10:00-10:20	茶歇			
10:20-10:50	Deep learning method for multi-material diffusion problems	郭嘉玮	李天佑	
10:55-11:25	Semi-Supervised Clustering via Dynamic Graph Structure Learning	凌华明		
11:30-12:00	Classification regularized dimensionality reduction improves ultrasound thyroid nodule diagnostic accuracy and inter-observer consistency	代汶利		
午休				
时间	报告题目	报告人	主持人	地点
13:30-14:00	L2 Error estimate to smooth solutions of high order Runge–Kutta discontinuous Galerkin method for scalar nonlinear conservation laws with and without sonic points	艾敬其	金则宇	理一 1114
14:05-14:35	Moment method for the Vlasov-Maxwell system	尹天爱		
14:40:15:10	Hermite spectral method for multi-species Boltzmann equation	鲁一道		
15:15-15:35	茶歇			
15:35-16:05	Positivity preserving and mass conservation projection method for the Poisson-Nernst-Planck equations	仝丰华	金则宇	
16:10-16:40	A New Projection-Based Time-Divided Reduced Basis Method for Fluid-Structure Interaction Problems	翟祺嘉		
17:30-19:00	晚宴			勺园西餐厅

10月27日

时间	报告题目	报告人	主持人	地点
8:15-8:45	A Weak Galerkin Finite Element Method Can Compute Both Upper and Lower Eigenvalue Bounds	袁刘尧	吴清玉	理— 1114
8:50-9:20	Exponentially-fitted Finite Elements for H(curl) and H(div) Convection-Diffusion Problems	王锦东		
9:25-9:55	Model reduction for parameterized Allen-Cahn equation	吴量		
10:00-10:20	茶歇			
10:20-10:50	Multiscale Analysis for Dynamic Contact Angle Hysteresis on Rough Surfaces	肖思	豆旭桉	
10:55-11:25	Hopf Bifurcations of Reaction Networks with Zero-One Stoichiometric Coefficients	王凯章		
午休				
时间	报告题目	报告人	主持人	地点
13:30-14:00	环面上非线性薛定谔方程量化涡旋的约化动力学规律研究	朱永兴	谢中林	理— 1114
14:05-14:35	Quantitative analysis of the elastic field for rod shape inclusion and its application to related inverse problem	唐婉晶		
14:40:15:10	Nematic liquid crystals confined on three-dimensional cuboids	石宝明		
15:15-15:35	茶歇			
15:35-16:05	Proximal Quasi-Newton Method for Composite Optimization over the Stiefel Manifold	王秦思	谢中林	
16:10-16:40	The Convergence and a Flow-based Model in Optimal Transport Problem	熊哲		
17:00-17:30	闭幕式		张宁馨	智华楼 丁石孙教室