

# 会议日程

| 10月23日 (1560室) 主持人: 刘浩洋, 杨凡意 |         |   |
|------------------------------|---------|---|
| 时间                           | 报告人     | 报告题目  |
| 8:30 — 9:00                  | 指导老师    | 开幕式   |
| 9:00 — 9:30                  | 马超      | The Slow Deterioration of the Generalization Error of the Random Feature Model  |
| 9:30 — 10:00                 | 许开来     | Machine Learning for Inverse Modeling in Computational Engineering  |
| 10:00 — 10:30                | 谢璿      | Data-driven Solutions in Response to COVID-19 with the Stanford Hospital: Bed Demand, Emergency Room and Personal Protection Equipment Prediction |
| 10:30 — 10:45                | 休息      |   |
| 10:45 — 11:15                | 林怡雯     | Inverse Scattering by a Random Periodic Structure   |
| 11:15 — 11:45                | 陈敬      | 基于最优输运度量的地震定位问题   |
| 11:45 — 14:00                | 午餐、自由讨论 |   |
| 14:00 — 14:30                | 梁逸舟     | Conforming Discrete Gradgrad-Complexes in Three Dimensions  |
| 14:30 — 15:00                | 张敏      | A Family of Mixed Finite Elements for the Biharmonic Equations on Triangular and Tetrahedral Grids  |
| 15:00 — 15:30                | 冯方      | Virtual Element Method for an Elliptic Hemivariational Inequality with Applications to Contact Mechanics  |
| 15:30 — 15:45                | 休息      |   |
| 15:45 — 16:15                | 彭辉      | 弱有限元方法耦合有限元方法求解 Stokes-Darcy 问题   |
| 16:15 — 16:45                | 王一      | 柱坐标下含碰撞的 Vlasov-BGK 方程的动理学格式  |
| 16:45 — 17:15                | 朱紫陌     | Semi-discrete and Fully Discrete HDG Methods for Burgers' Equation in Two and Three Dimensions  |

| 10月24日(1560室) 主持人: 杨亦晨, 殷鉴远 |         |  |
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| 时间                          | 报告人     | 报告题目   |
| 8:30 — 9:00                 | 徐芦泽     | Gaining or Losing Perspective for Piecewise-Linear Under-Estimators of Convex Univariate Functions                               |
| 9:00 — 9:30                 | 林盛超     | Multigrid-in-Time Algorithm for Optimal Control Problems   |
| 9:30 — 10:00                | 段雅琦     | Minimax-Optimal Off-Policy Evaluation with Linear Function Approximation   |
| 10:00 — 10:15               | 休息      |  |
| 10:15 — 10:45               | 孙月姣     | Communication-Efficient Algorithms with Lazy Gradients   |
| 10:45 — 11:15               | 李勇锋     | Deep Augmented Lagrangian Method in Reinforcement Learning   |
| 11:15 — 11:45               | 刘浩洋     | A Decomposition Method for Composite Semidefinite Optimization   |
| 11:45 — 14:00               | 午餐、自由讨论 |  |
| 14:00 — 14:30               | 杨凡意     | A Discontinuous Galerkin Method for Elliptic Interface Problem with Reconstructed Discontinuous Approximation                    |
| 14:30 — 15:00               | 郑南艺     | A Conservative Semi-Lagrangian Hybrid Hermite WENO Scheme for Linear Transport Equations and the Nonlinear Vlasov-Poisson System |
| 15:00 — 15:30               | 段俊明     | High-order Accurate Entropy Stable Nodal Discontinuous Galerkin Schemes for the Ideal Special Relativistic Magnetohydrodynamics  |
| 15:30 — 15:45               | 休息      |  |
| 15:45 — 16:15               | 杨亦晨     | A New Numerical Moment Method and Its Application on the A13 Moment System   |
| 16:15 — 16:45               | 陆毕晨     | Triangularized Orthogonalization-free Method for Solving Extreme Eigenvalue Problems   |
| 16:45 — 17:15               | 张炜      | 浅谈模糊真值代数   |

| 10月25日(1560室) 主持人: 李勇锋 |     |  |
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| 时间                     | 报告人 | 报告题目   |
| 8:30 — 9:00            | 李晓旭 | Numerical Analysis of the Multiple Scattering Theory for Quantum Eigenvalue Problems                                   |
| 9:00 — 9:30            | 仝宇  | Estimating the Ground Energy of Quantum Hamiltonians   |
| 9:30 — 10:00           | 安冬  | Quantum Linear System Solver Based on Adiabatic Quantum Computing  |
| 10:00 — 10:15          | 休息  |  |
| 10:15 — 10:45          | 詹若涵 | Causal Inference for Policy Evaluation   |
| 10:45 — 11:15          | 殷鉴远 | Deciphering Phase Transitions Between Crystals and Quasicrystals   |
| 11:15 — 11:45          | 曹家川 | Monte Carlo Method and Convergence for Solving Space Inhomogeneous Semiconductor Boltzmann Equations with Multi-valley |