

上海交通大学数学科学学院 2021 年博士生导师及招生专业和研究方向（排名按照导师姓名首字母顺序）

School of Mathematical Sciences, Shanghai Jiao Tong University, Supervisors for 2021 Ph.D. Program

(listed alphabetically according to the name of supervisors)

1	Samuel Drapeau / 长聘教轨副教授 / Tenure-track Associate Professor	统计学 Statistics	Stochastic Analysis, Optimization, Decision Theory
2	James FULLWOOD / 长聘教轨副教授 / Tenure-track Associate Professor	数学 Mathematics	代数几何及其在数学物理中的应用 Algebraic geometry with applications to mathematical physics
3	Mounir HAJLI / 长聘教轨副教授 / Tenure-track Associate Professor	基础数学 Pure Mathematics	几何、数论 Arakelov Geometry, Number theory
4	Sergei KALMYKOV / 长聘教轨副教授 / Tenure-track Associate Professor	基础数学 Pure Mathematics	Polynomial and polynomial inequalities, geometric function theory, conformal mappings, potential theory
5	Victor MOUQUIN / 长聘教轨副教授 / Tenure-track Associate Professor	数学 Mathematics	泊松几何、量子群、表示论 Poisson geometry, quantum groups, representation theory
6	陈昕 / 长聘教轨副教授 Xin CHEN / Tenure-track Associate Professor	统计学 Statistics	随机分析（泛函不等式，无穷维随机分析，随机方法在几何与偏微分方程中的应用） Stochastic Analysis (Functional Inequality, Stochastic Analysis on Infinite Dimensional Space, the Application of Stochastic Methods on Geometry and Partial Differential Equation)
7	邓师瑾 / 教授 Shijin DENG / Professor	数学 Mathematics	偏微分方程 Partial Differential Equations
8	范金燕 / 教授 Jinyan FAN / Professor	计算数学 Computational Mathematics	最优化方法（非线性优化理论和方法） Optimization Methods (Nonlinear Optimization Theory and Methods)
9	方北香 / 教授 Beixiang Fang / Professor	应用数学 Applied Mathematics	偏微分方程及应用 Partial Differential Equations and Their Applications
10	费佳睿 / 长聘教轨副教授 Jiarui FEI / Tenure-track Associate Professor	数学 Mathematics	Cluster Algebra, Quiver Representation, Invariant Theory
11	高振国 / 长聘教轨副教授 Zhenguo GAO / Tenure-track Associate Professor	统计学 Statistics	变点检测以及异常变化检测、数据挖掘及机器学习、非参模型、高维数据分析； Change Point Detection and Anomaly Detection, Data Mining and Machine Learning, Nonparametric Smooth Models, High dimensional data analysis

12	胡丹 / 教授 Dan HU / Professor	计算数学 Computational Mathematics	计算数学与生物数学（计算方法、数学建模） Computational Mathematics and Mathematical Biology (Numerical Methods; Mathematical Modeling)
13	黄建国 / 教授 Jianguo HUANG /Professor	计算数学 Computational Mathematics	数值分析（有限元方法与应用、快速算法、反问题数值解） Numerical Analysis (Finite Element Methods with Applications; Fast Algorithms; Numerical Solutions for Inverse Problems)
14	江松/中国科学院院士，兼职博士 生导师 Song JIANG/ Member of Chinese Academy of Sciences	数学 Mathematics	应用数学 Applied Mathematics
15	姜翠波 / 特聘教授 Cuipo JIANG / Distinguished Professor	基础数学 Pure Mathematics	代数学（李代数和顶点算子代数） Algebra (Lie Algebras and Vertex Operator Algebras)
16	金石 / 讲席教授 Shi JIN / Chair Professor	计算数学 Computational Mathematics	计算与应用数学 Computational and Applied Mathematics
17	来米加 / 长聘教轨副教授 Mijia LAI / Tenure-track Associate Professor	基础数学 Pure Mathematics	几何分析与偏微分方程（几何偏微分方程，复几何，二阶椭圆 偏微分方程正则性） Geometric Analysis and Partial Differential Equations (Geometric PDEs, Complex Geometry, Regularity Theory of Second Order Elliptic PDEs)
18	李从明 / 讲席教授 Congming LI / Chair Professor	应用数学 Applied Mathematics	偏微分方程与几何分析（几何分析、流体力学、非线性偏微 分、变分法、非线性分析） Partial Differential Equations and Geometric Analysis (Geometric Analysis; Dynamics of Fluid; Nonlinear Partial Differential Equations; Calculus of Variations, Nonlinear Analysis)
19	李红泽 / 教授 Hongze LI / Professor	基础数学 Pure Mathematics	数论（解析数论） Number Theory (Analytic Number Theory)
20	李吉有/副教授 Jiyou LI/ Associate Professor	数学 Mathematics	组合数论,代数编码理论 Combinatorial Number Theory, Algebraic Coding Theory
21	李磊 / 长聘教轨副教授 Lei LI / Tenure-track Associate Professor	应用与计算数学 Applied Mathematics and Computational Mathematics	随机算法, 随机微分方程数值解 ; 偏微分方程分析, 如平均 场极限等 Research Interest: 1. Random Algorithms, Numerical SDE; 2. Analysis of PDEs, including mean field limit
22	李松挺 / 长聘教轨副教授 Songting LI / Tenure-track Associate Professor	应用数学 Applied Mathematics	计算神经科学 Computational neuroscience

23	李亚纯 / 教授 Yachun LI / Professor	应用数学 Applied Mathematics	偏微分方程及其应用（双曲型守恒律，退化抛物-双曲方程，流体力学中的非线性偏微分方程） Partial Differential Equations and Their Applications (Hyperbolic Conservation Laws; Degenerate Parabolic-hyperbolic Equations; Nonlinear Partial Differential Equations in Fluid Dynamics)
24	梁进 / 教授 Jin LIANG / Professor	基础数学 Pure Mathematics	分析（泛函分析与微分方程，非线性分析与控制理论） Analysis (Functional Analysis and Differential Equations; Nonlinear Analysis and Control Theory)
25	林一青 / 长聘教轨副教授 Yiqing LIN / Tenure-track Associate Professor	统计学 Statistics	金融数学与金融工程（资产定价与风险管理），随机分析和非线性概率统计理论 Financial Mathematic and Financial Engineering, Stochastic Analysis, Nonlinear Statistical Theory
26	刘成杰 / 长聘教轨副教授 Chengjie LIU / Tenure-track Associate Professor	应用数学 Applied Mathematics	偏微分方程 Partial Differential Equations
27	刘林 / 长聘教轨副教授 Lin LIU / Tenure-track Associate Professor	统计学 Statistics	因果推断，数理统计，无穷维/非参数/半参数统计理论，机器学习 Causal Inference, Mathematical Statistics, Infinite dimensional/Nonparametrics/Semiparametrics Statistical Theory, Machine Learning
28	刘卫东 / 特聘教授 Weidong LIU / Distinguished Professor	统计学 Statistics	概率论与数理统计 Probability and Mathematical Statistics
29	罗鹏 / 长聘教轨副教授 Peng LUO / Tenure-track Associate Professor	统计学 Statistics	随机分析、随机控制、金融数学 Stochastic Analysis, Stochastic Control, Mathematical Finance
30	罗珊 / 长聘教轨副教授 Shan LUO / Tenure-track Associate Professor	统计学 Statistics	高维数据分析 High-dimensional Data Analysis
31	罗涛 / 长聘教轨副教授 Tao LUO / Tenure-track Associate Professor	应用数学 Applied Mathematics	材料科学，机器学习 Materials Science, Machine Learning
32	麻志浩 / 教授 Zhihao MA / Professor	应用数学 Applied Mathematics	量子信息、量子力学、算子理论、算子代数、矩阵论 Quantum Information; Quantum Mechanics; Operator Theory; Operator Algebra; Matrix Theory
33	马家骏 / 长聘教轨副教授 Jiajun MA / Tenure-track Associate Professor	数学 Mathematics	代数群表示论、Langlands 纲领
34	马征 / 长聘教轨副教授 Zheng MA / Tenure-track Associate Professor	数学 Mathematics	机器学习与计算数学 Machine learning and computational mathematics

35	牛一帅 / 长聘教轨副教授 Yishuai NIU / Tenure-track Associate Professor	计算数学 Computational Mathematics	最优化理论和算法 Optimization Theory and Algorithms
36	戎锋 / 教授 Feng RONG / Professor	基础数学 Pure Mathematics	复分析与动力系统（多变量复分析与复动力系统，常微分方程 定性理论）Complex Analysis and Dynamical Systems (Complex Analysis and Dynamics in Several Variables; Qualitative Theory of Ordinary Differential Equations)
37	覃帆/ 长聘副教授 Fan QIN / Associate Professor with Tenure	数学 Mathematics	代数与表示论（丛代数、范畴化）Algebras and representation theory (cluster algebras, categorification)
38	唐敏 / 教授 Min TANG / Professor	应用数学 Applied Mathematics	计算数学和生物数学（输运方程，反应扩散方程的数值求解和 生物建模）Computational Mathematics and Mathematical Biology (Transport Equations and Reaction Diffusion Equations, Their Numerical Schemes and Biology Modeling)
39	唐异垒 / 教授 Yilei TANG / Professor	应用数学 Applied Mathematics	常微分方程与动力系统 Ordinary Differential Equations and Dynamical System
40	陶有山 / 特聘教授 Youshan TAO / Distinguished Professor	应用数学 Applied Mathematics	应用偏微分方程（趋化模型）Applied Partial Differential Equations (Chemotaxis Models)
41	王成 / 长聘教轨副教授 Cheng WANG / Tenure-track Associate Professor	统计学 Statistics	高维数据统计推断、随机矩阵理论及应用 High Dimensional Statistical Inference, Random Matrix Theory and Application
42	王芳 / 长聘教轨副教授 Fang WANG / Tenure-track Associate Professor	基础数学 Pure Mathematics	几何分析和偏微分方程，相对论方程 Geometric Analysis and PDEs, General Relativity
43	王飞 / 长聘教轨副教授 Fei WANG / Tenure-track Associate Professor	数学 Mathematics	偏微分方程，流体力学/ Analysis of PDE, fluid dynamics
44	王海涛 / 长聘教轨副教授 Haitao WANG / Tenure-track Associate Professor	应用数学 Applied Mathematics	偏微分方程 Partial Differential Equations
45	王晓东 / 长聘教轨副教授 Xiaodong WANG / Tenure-track Associate Professor	数学 Mathematics	微分动力系统，遍历论 Differentiable Dynamical Systems, Ergodic Theory
46	王亚光 / 特聘教授 Yaguang WANG / Distinguished Professor	应用数学 Applied Mathematics	偏微分方程理论及其应用（双曲型、双曲-抛物耦合型方程， 流体力学方程组的数学理论，波的稳定性分析）Partial Differential Equations and Their Applications (Hyperbolic Equations; Hyperbolic-parabolic Coupled Equations; Mathematical Theory of Fluid Mechanics; Stability Analysis of Nonlinear Waves)

47	吴耀琨 / 教授 Yaokun WU / Professor	基础数学 Pure Mathematics	组合学 (算法图论、离散动力系统、代数组合) Combinatorics (Algorithmic Graph Theory; Discrete Dynamical System; Algebraic Combinatorics)
48	武同锁 / 教授 Tongsuo WU / Professor	数学 Mathematics	组合交换代数、同调代数 Combinatorial commutative algebra, Homological algebra
49	肖冬梅 / 特聘教授 Dongmei XIAO / Distinguished Professor	应用数学 Applied Mathematics	常微分方程与动力系统 (微分方程分支理论及其应用) Ordinary Differential Equations and Dynamical System (Bifurcation Theory and Its Application)
50	谢春景 / 教授 Chunjing XIE / Professor	应用数学 Applied Mathematics	偏微分方程 (流体力学的数学理论, 广义相对论的数学理论) Partial Differential Equations (Mathematical Theory of Fluid Mechanics; Mathematical Theory of General Relativity)
51	谢峰 / 教授 Feng XIE / Professor	应用数学 Applied Mathematics	偏微分方程及其应用 Partial Differential Equations and Their Applications
52	徐振礼 / 教授 Zhenli XU / Professor	计算数学 Computational Mathematics	计算与应用数学 (偏微分方程数值方法, 物理和生物中的应用 数学方法) Computational and Applied Mathematics (Numerical Methods for PDEs, Applied Mathematics in Physics and Biology)
53	许德良 / 教授 Deliang XU / Professor	数学 Mathematics	偏微分方程和几何分析 Partial Differential equation and Geometric analysis
54	许志钦 / 长聘教轨副教授 Zhiqin XU / Tenure-track Associate Professor	数学 Mathematics	机器学习、计算神经科学 Machine Learning, Computational Neuroscience
55	杨雄锋 / 教授 Xiongfeng YANG / Professor	应用数学 Applied Mathematics	偏微分方程 Partial Differential Equations
56	杨义虎 / 教授 Yihu YANG / Professor	基础数学 Pure Mathematics	几何 (微分几何, 复几何) Geometry (Differential Geometry, Complex Geometry)
57	杨志国 / 长聘教轨副教授 Zhiguo YANG / Tenure-track Associate Professor	数学 Mathematics	偏微分方程高阶数值方法及应用 (谱与谱元方法, 计算电磁 学, 计算流体动力学) High Order Numerical Methods for Partial Differential Equations and Their Applications (Spectral and Spectral-Element Method, Computational Electromagnetics, Computational Fluid Dynamics)
58	应文俊 / 教授 Wenjun YING / Professor	计算数学 Computational Mathematics	计算数学 (偏微分方程, 边界积分方程数值解, 自适应网格划 分算法, 快速算法) Computational Mathematics (Numerical Solution of Partial Differential and Boundary Integral Equations; Adaptive Mesh Refinement and Fast Algorithms)

59	于江 / 教授 Jiang YU / Professor	应用数学 Applied Mathematics	常微分方程与动力系统 (常微分方程定性、分岔理论及其应 用) Ordinary Differential Equations and Dynamical System (Qualitative Theory, Bifurcation Theory of ODE and Its Application)
60	俞章盛 / 教授 Zhangsheng YU / Professor	统计学 Statistics	生物统计学 Biostatistics
61	虞国富 / 教授 Guofu YU / Professor	基础数学 Pure Mathematics	常微分方程与动力系统 (可积系统, 孤立子理论, 正交多项式) Ordinary Differential Equations and Dynamical System (Integrable systems, Soliton theory and Orthogonal polynomials)
62	张登 / 长聘教轨副教授 Deng ZHANG / Tenure-track Associate Professor	统计学 Statistics	随机分析, 随机矩阵 Stochastic Analysis, Random Matrix
63	张光连 / 教授 Guanglian ZHANG / Professor	基础数学 Pure Mathematics	几何表示论, 代数表示论与代数几何 Geometric representation theory, Algebraic representation theory and Algebraic geometry
64	张镭 / 教授 Lei ZHANG / Professor	计算数学 Computational Mathematics	计算与应用数学 (数值分析与科学计算, 多尺度建模, 分析与 模拟及其在科学与工程中的应用) Computational and Applied Mathematics (Numerical Analysis and Scientific Computing; Multiscale Modeling, Analysis and Simulation with Applications in Science and Engineering)
65	张祥 / 特聘教授 Xiang ZHANG / Distinguished Professor	基础数学 Pure Mathematics	常微分方程与动力系统 (定性与分支理论, 可积理论, 奇异摄 动理论) Ordinary Differential Equations and Dynamical System (Qualitative Theory and Bifurcation; Integrability; Singular Perturbation)
66	张小群 / 教授 Xiaoqun ZHANG / Professor	应用数学 Applied Mathematics	计算与应用数学 (数学图像处理与分析, 最优化理论与算法) Computational and Applied Mathematics (Mathematical Imaging Processing; Optimization Theory and Algorithms)
67	张晓东 / 教授 Xiaodong ZHANG / Professor	应用数学 Applied Mathematics	图论与组合学 (图论与复杂网络, 组合矩阵论) Graph and Combinatorics (Graph and Complex Network; Combinatorial Matrix Theory)
68	张耀宇 / 长聘教轨副教授 Yaoyu ZHANG / Tenure-track Associate Professor	应用数学 Applied Mathematics	机器学习和计算神经科学 machine learning and computational neuroscience
69	章璞 / 特聘教授 Pu ZHANG / Distinguished Professor	基础数学 Pure Mathematics	代数学 (代数表示论, 三角范畴与导出范畴) Algebra (Representation Theory of Algebras; Triangulated Categories and Derived Categories)
70	郑聘 / 长聘教轨副教授 Cheng ZHENG / Tenure-track Associate Professor	基础数学 Pure Mathematics	齐性动力系统 Homogeneous Dynamics

71	周春琴 / 教授 Chunqin ZHOU / Professor	基础数学 Pure Mathematics	偏微分方程（二阶椭圆方程的存在性和正则性理论） Partial Differential Equations (The Existence and Regularity Theory of Second Elliptic Equation)
72	周栋焯 / 教授 Dongzhuo (Douglas)ZHOU / Professor	计算数学 Computational Mathematics	计算与应用数学（理论与计算神经科学） Computational and Applied Mathematics (Theoretical and Computational Neuroscience)
73	朱苗苗 / 长聘副教授 Miaomiao ZHU / Associate Professor with Tenure	基础数学 Pure Mathematics	几何分析，几何和物理中的变分问题，几何流问题 Geometric analysis, Variational problems in Geometry and Physics, Geometric evolution problems
74	朱圣国 / 长聘教轨副教授 Shengguo ZHU / Tenure-track Associate Professor	基础数学 Pure Mathematics	偏微分方程、流体力学 Partial differential equations, Fluid mechanics