

上海交通大学数学科学学院 2019 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 2019 Ph.D. Program

(listed alphabetically according to the name of supervisors)

1	James FULLWOOD / 特别研究员 Special Researcher	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
2	Mounir HAJLI / 特别研究员 Special Researcher	基础数学 Pure Mathematics	几何、数论 Arakelov Geometry, Number theory
3	Samuel DRAPEAU / 特别研究员 Special Researcher	统计学 Statistics	金融数学、随机过程和泛函分析 Mathematical Finance; Stochastic Processes and Functional Analysis
4	Victor MOUQUIN / 特别研究员 Special Researcher	数学 Mathematics	泊松几何、量子群、表示论 Poisson geometry, quantum groups, representation theory
5	陈昕 / 特别研究员 Xin CHEN / Special Researcher	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)
6	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)
7	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
8	费佳睿 / 特别研究员 Jiarui FEI / Special Researcher	数学 Mathematics	Cluster Algebra, Quiver Representation, Invariant Theory
9	韩东 / 教授 Dong HAN / Professor	统计学 Statistics	概率统计（统计过程控制、随机图与复杂网络、金融统计） Probability Theory and Statistics (Statistical Process Control; Random Graph and Complex Networks; Financial Statistics)
10	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)
11	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)

12	姜翠波 / 教授 Cuipo JIANG / 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)
13	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
14	来米加 / 特别研究员 Mijia LAI / Special Researcher	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)
15	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)
16	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)
17	李敬来 / 特别研究员 Jinglai LI / Special Researcher	统计学 Statistics	科学计算与计算统计 (不确定性量化, 贝叶斯推断, 统计反问题, 数据同化, 稀有事件仿真) Scientific Computing and Computational Statistics (Uncertainty Quantification; Bayesian Inference; Statistical Inverse Problem, Data Assimilation, Rare Events Simulation,)
18	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)
19	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)
20	林一青 / 特别研究院 Yiqing LIN / Special Researcher	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
21	刘成杰 / 特别研究员 Chengjie LIU / Special Researcher	应用数学 Applied Mathematics	偏微分方程 Partial Differential Equations

22	刘卫东 / 教授 Weidong LIU / Professor	统计学 Statistics	概率论与数理统计 Probability and Mathematical Statistics
23	罗珊 / 特别研究员 Shan LUO / Special Researcher	统计学 Statistics	高维数据分析 High-dimensional Data Analysis
24	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
25	马家骏 / 特别研究员 Jiajun MA / Special Researcher	数学 Mathematics	代数群表示论、Langlands 纲领
26	牛一帅 / 特别研究员 Yishuai NIU / Special Researcher	计算数学 Computational Mathematics	最优化理论和算法 Optimization Theory and Algorithms
27	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)
28	唐敏 / 特别研究员 Min TANG / Special Researcher	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) Computatioal Mathematics and Mathematical Biology (Transport Equations and Reaction Diffusion Equations, Their Numerical Schemes and Biology Modeling)
29	王成 / 特别研究员 Cheng WANG / Special Researcher	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
30	王芳 / 特别研究员 Fang WANG / Special Researcher	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
31	王海涛 / 特别研究员 Haitao WANG / Special Researcher	应用数学 Applied Mathematics	偏微分方程 Partial Differential Equations
32	王维克 / 教授 Weike WANG / Professor	应用数学 Applied Mathematics	偏微分方程及其应用 (多维双曲-抛物耦合型方程, 非线性微局部分析) Partial Differential Equations and Their Applications (Multi-dimensional Hyperbolic-parabolic Coupled Equations; Nonlinear Micro-local Analysis)
33	王亚光 / 教授 Yaguang WANG / 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)

34	魏星 / 特别研究员 Xing WEI / Special Researcher	应用数学 Applied Mathematics	流体力学及其应用 Hydromechanics and Their Applications
35	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)
36	武同锁 / 教授 Tongsuo WU / Professor	基础数学 Pure Mathematics	环与代数 (同调代数, 组合交换代数) Rings and Algebra (Homological Algebra; Combinatorial Commutative Algebra)
37	肖冬梅 / 教授 Dongmei XIAO / 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)
38	谢春景 / 特别研究员 Chunjing XIE / Special Researcher	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)
39	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
40	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)
41	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)
42	应文俊 / 特别研究员 Wenjun YING / Special Researcher	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)
43	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)
44	俞章盛 / 教授 Zhangsheng YU / Professor	统计学 Statistics	生物统计学 Biostatistics
45	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)

46	张镭 / 特别研究员 Lei ZHANG / Special Researcher	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)
47	张祥 / 教授 Xiang ZHANG /Professor	基础数学 Pure Mathematics	常微分方程与动力系统（定性理论与分支理论，可积理论，奇异摄动理论）Ordinary Differential Equations and Dynamical System (Qualitative Theory and Bifurcation; Integrability; Singular Perturbation)
48	张小群 / 特别研究员 Xiaoqun ZHANG / Special Researcher	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)
49	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)
50	章璞 / 教授 Pu ZHANG / 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)
51	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)
52	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)
53	朱苗苗 / 特别研究员 Miaomiao ZHU / Special Researcher	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
54	朱佐农 / 教授 Zuonong ZHU / Professor	应用数学 Applied Mathematics	数学物理（可积系统和孤立子）Mathematical Physics (Integrable Systems and Solitons)