

上海交通大学数学科学学院
2017 年博士生导师及招生专业和研究方向
 (排名按照导师英文姓名首字母顺序)
 School of Mathematical Sciences, Shanghai Jiao Tong University
2017 Ph. D. Program
 (listed alphabetically according to the name of supervisors)

	姓名 / 职称 Supervisor / Title	所属学科 Discipline	研究方向 Research Areas
1	蔡申瓯 / 教授 Shenou (David) CAI / Professor	应用数学 Applied Mathematics	计算与应用数学 (应用物理、理论和计算神经科学) Computational and Applied Mathematics (Applied physics; Theoretical and Computational Neuroscience)
2	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)
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	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)

5	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)
6	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)
7	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)
8	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)
9	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)
10	李从明 / 教授 Congming LI / 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)
11	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)

12	励建书 / 院士 Jianshu LI / Academician	基础数学 Pure Mathematics	自守型与表示理论 Automorphic Forms and Representation Theory
13	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,)
14	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)
15	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)
16	刘卫东 / 教授 Weidong LIU / Professor	统计学 Statistics	概率论与数理统计 Probability and Mathematical Statistics
17	罗珊 / 特别研究员 Shan LUO / Special Researcher	统计学 Statistics	数理统计 Mathematical Statistics
18	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

19	彭实戈 / 院士 Shige PENG / Academician	统计学 Statistics	金融数学和概率统计、随机控制 Mathematical Finance and Probability Theory and Statistics; Stochastic Controls
20	Tudor RATIU /教授 Professor	基础数学 Pure Mathematics	几何力学、哈密尔顿动力学 Geometric Mechanics ; Hamiltonian Dynamics
21	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)
22	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) Computational Mathematics and Mathematical Biology (Transport Equations and Reaction Diffusion Equations, Their Numerical Schemes and Biology Modeling)
23	Mikhail TYAGLOV / 特别研究员 Special Researcher	基础数学 Pure Mathematics	整函数的零点分布、正交多项式 Distribution of Zeros of Entire Functions; Orthogonal Polynomials
24	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; Stochastic Matrix Theory and Application
25	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

26	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)
27	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, 波的非线性稳定性分析) Partial Differential Equations and Their Applications (Hyperbolic Equations; Hyperbolic-parabolic Coupled Equations; Mathematical Theory of Fluid Mechanics; Stability Analysis of Nonlinear Waves)
28	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)
29	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)
30	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)
31	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)
32	许德良 / 教授 Deliang XU / Professor	基础数学 Pure Mathematics	几何分析 (几何中的非线性偏微分方程, 诸如调和映射, 极小曲面等) Geometry (Harmonic Map, Minimal Surface and Related Analysis from a Measure Class Viewpoint) 非线性偏微分方程及应用 (非线性椭圆型偏微分方程, 粘性解, 变分法) Partial Differential Equations and Applications (Nonlinear Elliptic Equation, Variational Method and Application)

33	徐永忠 / 特别研究员 Yongzhong XU / Special Researcher	基础数学 Pure Mathematics	几何分析 (接触几何, 几何偏微分方程) Geometric Analysis (Contact Geometry; Geometric PDE)
34	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)
35	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)
36	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)
37	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)
38	张镞 / 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)
42	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)

39	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)
40	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)
41	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)
43	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)
44	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)
45	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
46	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)