

Major Catalog in School of Mathematical Sciences

Major	Research Field	Mode	Teaching Language
基础数学(Pure Mathematics) (070101)	01. 代数几何(Algebraic Geometry)	Full-time	English
	02. 数论：算术几何，p-进上同调(Number theory: Arithmetic Geometry and P-adic Cohomology)	Full-time	English
	03. 几何群论(Geometric Group theory)	Full-time	English
	04. 场论和弦理论相关的数学物理(Mathematics Physics related to Field theory and String theory)	Full-time	English
	05. 非线性偏微分方程和调和分析(Nonlinear Partial Differential Equations and Harmonic Analysis)	Full-time	English
	06. 双曲型偏微分方程(Hyperbolic Partial Differential Equations)	Full-time	English
	07. 数论与表示论(Number theory and Representation theory)	Full-time	English
	08. 代数表示论(Algebraic Representation theory)	Full-time	English
	09. 量子拓扑计算和数学物理(Topological Quantum Computation and Mathematic Physics)	Full-time	English
	10. 表示论与自守形式(Representation theory and Automorphic forms)	Full-time	English
	11. 算术代数几何和朗兰兹纲领(Arithmetic Algebraic Geometry and Langlands Program)	Full-time	English
	12. 几何分析和复几何(Geometric analysis and Complex geometry)	Full-time	English
	13. 算术几何与丢番图方程(Arithmetic geometry and Diophantine Equation)	Full-time	English
	14. 分析与偏微分方程(Analysis and Partial Differential Equations)	Full-time	English
	15. 与算术几何相关的代数拓扑问题(Algebraic Topology problem related to Arithmetic Geometry)	Full-time	English
计算数学(Computational Mathematics) (070102)	01. 最优化计算方法及其应用(Computational Methods For Optimization and its application)	Full-time	English
	02. 科学计算、计算材料、计算生物(Scientific Computing , Computational Materials Science , Computational Biology)	Full-time	English
	03. 科学计算、随机方法和应用分析(Scientific Computing, Stochastic methods and Applied analysis)	Full-time	English
	04. 图像与数据科学(Image and Data science)	Full-time	English