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教育经历

2016-2019	格勒若贝尔-阿尔卑斯大学	博士学位
2015-2016	格勒若贝尔-阿尔卑斯大学	硕士学位
2013-2015	清华大学	
2009-2013	华中师范大学	学士学位

工作经历

2019-2021 博士后, 奥格斯堡大学.
2021-2024 西蒙讲师, 石溪大学.
2024- 副研究员, 中科院数学所

学术访问

2021 年 四月-八月 Max Planck Institute for Mathematics, Bonn.

获奖

ICCM 2022年博士论文金奖

博士论文信息

博士论文指导老师: Gérard Besson.

博士论文答辩时间: September 26, 2019

博士论文题目: Contractible 3-manifolds and Positive scalar curvature

学术文章

1. Conic Singularities Metrics with Prescribed Scalar Curvatures (II): Existence (with Long Li and Kai Zheng), Preprint.
2. Positive mass theorems for AF and ALF manifolds and \mathbb{S}^1 symmetry (with Marcus Khuri), Preprint.
3. Topology of 3-manifolds with uniformly positive scalar curvature, arXiv:2212.14383.
4. Topological characterization of contractible 3-manifolds with positive scalar curvature, Perspective in Scalar curvature (in 2 Vols.)-Vol.2
5. Contractible 3-Manifolds and Positive Scalar Curvature (II), accepted by Journal of the European Mathematic Society, arXiv:1906.04128
6. Contractible 3-Manifolds and Positive Scalar Curvatures (I), accepted by Journal of Differential Geometry, arXiv:1901.04605
7. Conic Singularities Metrics with Prescribed Scalar Curvatures (I): a Priori estimates for normal crossing divisors (with Long.Li and Kai.Zheng), Bulletin de la Société Mathématique de France, 148(1): 51-97,2020.
8. Simply-connected Open 3-manifold with Slow Decay of Positive Scalar Curvature, Comptes Rendus Mathématique, 357(3):284-290,2019.

部分学术报告

1. 2023年7月, “Topology of 3-manifolds with uniformly positive scalar curvature”, Compactness and Scalar Curvature Workshop, CUHK-CUNY
2. 2023年4月, “Topology of 3-manifolds with uniformly positive scalar curvature”, Geometric analysis Seminar, CUNY
3. 2023年4月, “Topology of 3-manifolds with uniformly positive scalar curvature”, Geometric analysis Seminar, Princeton University
4. 2022年9月, “Topology of 3-manifolds with uniformly positive scalar curvature”, Geometry Seminar, Shanghai Technology University.
5. 2021年8月, Mini course on Minimal surfaces theory and Positive scalar curvature, Tongji University.

6. 2020年8月, “Contractible 3-manifold and positive scalar curvature”, Göttingen Topology and Geometry Seminar.
7. 2019年10月, “Contractible 3-manifolds and Positive scalar curvature, BICMR, Beijing.
8. 2019年10月, Mini course on Contractible 3-manifolds and Positive scalar curvature, YMSC, Beijing.
9. 2019年8月, “Contractible 3-manifolds and Positive scalar curvature”, Peking University, Beijing.
10. 2019年8月, “Contractible 3-manifolds and Positive scalar curvature”, in IMS Pacific Rim Complex-Symplectic Geometry Conference, Shanghai.
11. 2019年6月, “Contractible 3-manifolds and Positive scalar curvature”, Séminaire Géométrie, Bordeaux.
12. 2019年6月, “Contractible 3-manifolds and Positive scalar curvature”, Séminaire Géométrie, IMJ-PRG.
13. 2019年5月, “Contractible 3-manifolds and Positive scalar curvature”, the Darboux seminar, Montepplier.
14. 2019年5月, “Contractible 3-manifolds and Positive Scalar Curvature”, Oberseminar Differential Geometry, Augsburg.
15. 2019年4月, “Contractible 3-manifolds and Positive Scalar Curvature”, Séminaire de géométrie, Nantes.
16. 2019年4月, “Contractible 3-manifolds and Positive Scalar Curvature”, Oberseminar Differential Geometry, Münster.
17. 2019年4月, “Contractible 3-manifolds and Positive Scalar Curvature”, Geometry at infinity, Münster.
18. 2018年12月, “Contractible 3-manifolds and Positive Scalar Curvature”, Workshop in Geometric Analysis, in Institut Henri Poincaré.
19. 2018年11月, Lectures on Gromov-Hausdorff limits of Kähler manifolds, in Fourier Institute
20. 2018年10月, “Contractible 3-Manifolds and Positive Scalar Curvatures” in Journée des Doctorants, Fourier Institute

21. 2018年9月, “Contractible 3-Manifolds and Positive Scalar Curvatures” in Joint Seminar on Geometric Analysis, in CRIM, Marseille
22. 2018年7月, Lectures on Contractible Manifolds and Positive Scalar Curvatures, Tsinghua University, Beijing
23. 2017年9月, “Morse Theory and Morse Homology” in Comprehensible Seminar in Fourier Institute

教书经历

石溪大学

- 应用实分析(MAT 341), 2023年秋
- 应用实分析 (MAT 341), 2023年春
- 逻辑, 语言和证明 (MAT 200), 2023年春
- 三维拓扑简介 (MAT 402), 2022年春
- 线性代数引论 (MAT 211), 2022年春
- 应用实分析 (MAT 341), 2021年秋

奥格斯堡大学

- 三维拓扑简介, 2020年冬

清华大学

- 短期课程 “Positive scalar curvature on contractible 3-manifolds”, 2019年夏.