



## 复旦大学数学科学学院 数学综合报告会

报告题目: The existence of semi-horseshoes for partially hyperbolic diffeomorphisms

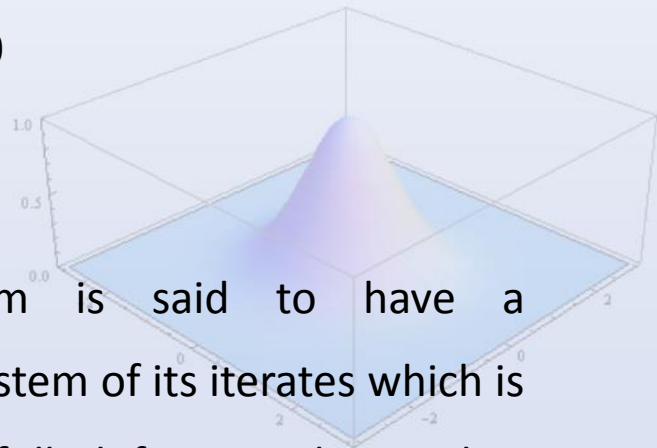
报告人: Associate Prof. Xu Leiye (中国科学技术大学/University of Science and Technology of China)

时间: 2020-9-4 星期五 16:10-17:10

地点: 腾讯会议 ID: 311 100 382

报告摘要:

A topological dynamical system is said to have a semi-horseshoe if there exists a subsystem of its iterates which is topologically semi-conjugate to the full shift. It is shown that some classes of dynamical systems, including partially hyperbolic diffeomorphisms and automorphisms of compact metric abelian groups with positive topological entropy, have semi-horseshoes. The versions for attractors and local  $C^1$ -diffeomorphisms of the above result are also obtained.



非线性数学模型与方法教育部重点实验室  
中法应用数学国际联合实验室  
上海市现代应用数学重点实验室  
复旦大学数学研究所