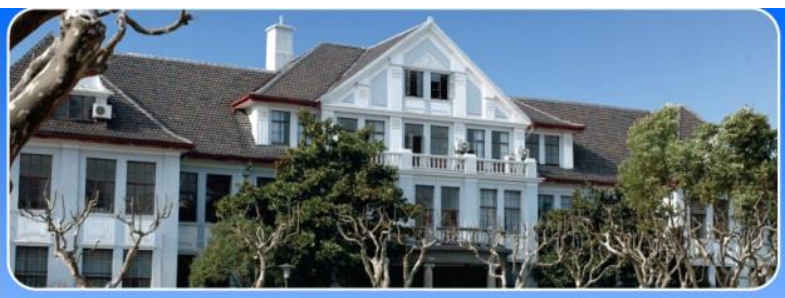


复旦大学数学科学学院

数学综合报告会

报告题目：Shadowing and mixing on systems of countable group actions

报告人：Professor Xiaoyao Zhou（Nanjing Normal University）

时间：2020-11-05 星期四 14:30-15:30

地点：腾讯会议 ID：108 347 642

报告摘要：

Let (X,G,Φ) be a dynamical system, where X is compact Hausdorff space, and G is countable discrete group. Fix some finite subset $S\subset G$. We prove that if X is totally disconnected, then Φ has S-shadowing property if and only if (X,G,Φ) is conjugate to an inverse limit of a sequence of shifts of finite type which satisfies Mittag-Leffler condition. Also, suppose that X is metric space (may be not totally disconnected), we prove that if Φ has S-shadowing property, then (X,G,Φ) is a factor of an inverse limit of a sequence of shifts of finite type by a factor map which almost lifts pseudo-orbit for S.

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