



复旦大学数学科学学院 数学综合报告会

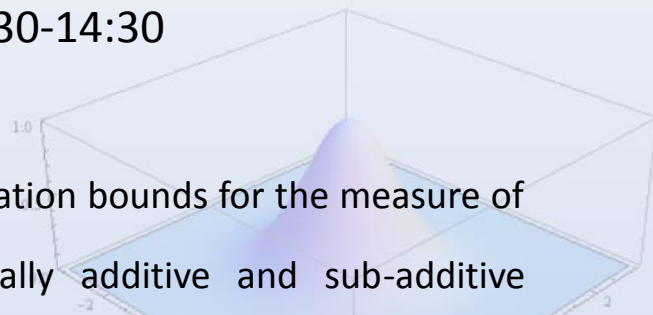
报告题目: **Large deviations for non-additive potentials and its applications in convergence rates of entropy formula**

报告人: 赵云 教授
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报告时间: 2016-10-31 星期一 13:30-14:30

报告地点: 光华东主楼 1801

摘要: In this talk, we investigate large deviation bounds for the measure of deviation sets associated with asymptotically additive and sub-additive potentials under some weak specification properties. As an application of the large deviation results, we obtain exponential large deviation bounds in the Shannon-McMillan-Breiman convergence formula for entropy in the case of weak Gibbs measures and topologically mixing subshifts of finite type. Other applications include large deviation estimates for Lyapunov exponents and pointwise dimension. This is a joint work with Paulo Varandas.



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