西北大学 NORTHWEST UNIVERSITY

动力系统线上学术报告

Unstable Metric Pressure for Partially Hyperbolic Diffeomorphisms

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链接入会：https://meeting.tencent.com/s/C6tAghWw6vPT

报告摘要：In this talk, we define and study unstable measure theoretic pressure for C1-smooth partially hyperbolic diffeomorphisms with sub-additive potentials. We show that this measure theoretic pressure for any ergodic measure equals the corresponding unstable measure theoretic entropy plus the Lyapunov exponent of the potentials with respect to the ergodic measure. On the other hand, we also give other definitions of unstable metric pressure, in terms of Bowen's picture and the capacity picture. We show that all definitions of unstable metric pressure, including the one defined at the beginning, actually coincide for any ergodic measure. This is a joint work with Zhiqiang Li and Yunhua Zhou.

欢迎各位老师和同学参加！

西北大学数学学院

2020 年 11 月 22 日