ON DIFFERENTIABLE ANOSOV SPLITTING AND INVARIANT FOLIATION

Speaker: Professor Wenmeng Zhang
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Time：**Wednesday, November 25, 2020, 9:00-10:00**

Tencent room：**941 977 208**

Abstract：As pointed out by Pugh, Shub and Wilkinson, one of the major technical barriers to the understanding of Anosov diffeomorphisms is the fact that the splittings (and the invariant foliations) are not in general differentiable. In this talk, we review the known results of differentiable Anosov splittings and invariant foliations, where one encounters the so-called bunching conditions. We will discuss the possibility of removing those bunching conditions, which may require some new ideas.