MAXIMAL STRETCHES AND MATHER SETS IN MANIFOLDS OF NEGATIVE CURVATURE

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ABSTRACT

In this talk, we will introduce maximal stretches and Mather sets for negatively curved Riemannian manifolds motivated from the study of Thurston's metric in Teichmuller space. We will discuss the connection between maximal stretches and Mather-Aubry theory. We will also discuss related entropy properties of Mather sets.
This is joint work with Gerhard Knieper.