

M. Asaoka

Title:

Codimension-one Anosov flows in higher dimensions

Abstract:

Long time ago, A.Verjovsky have proved that any codimension-one Anosov flow is topologically transitive if the dimension of the manifold is greater than three. Recently, S.Simic showed that any volume preserving codimension-one Anosov flow in higher dimension is topologically equivalent to the suspension of an Anosov flow.

In this talk, I will show that any topologically transitive codimension-one Anosov flow is topoogically equivalent to a volume-preserving one. With the results of Verjovsky and Simic, it completes the topological classification of codimension-one Anosov flows in higher dimensions.