

Dynamics of smooth surface diffeomorphisms: strong positive recurrence

Wednesday, 8 December 2021 15:15 (1:15)

Content

The goal is to introduce and discuss the strong positive recurrence property for diffeomorphisms of a manifold. I will show that every C^∞ surface diffeomorphism with positive topological entropy satisfies this property. The proof uses results presented by Jérôme Buzzi in his talk on the continuity of the entropy and exponents. Some consequences of this property will be discussed by O. Sarig later.

Summary

Presenter(s) : CROVISIER, Sylvain (Un. Paris_Saclay, France)

Session Classification : Workshop