

Young towers for geodesic flows on certain non-positively curved surfaces

Monday, 6 December 2021 14:00 (1:15)

Content

In this talk, based on joint work with Lima and Melbourne, we discuss how the ideas of Chernov for the construction of Young towers for piecewise smooth hyperbolic systems can be explored to yield similar structures for the geodesic flows on certain non-positively curved surfaces. In particular, by combining this fact with the results by Balint, Butterley, Melbourne, Terhesiu, Torok (among others), we derive several statistical consequences for this class of geodesic flows (including an effective rate of mixing and a central limit theorem).

Summary

Presenter(s) : MATHEUS, Carlos (CNRS, France)

Session Classification : Workshop