

Thermodynamical formalism and geometric applications (2/3)

mardi 8 juillet 2025 09:15 (1 heure)

In these lectures, I will first present a construction of good invariant measures for the geodesic flow of a hyperbolic surface, the so-called Gibbs measures.

I will explain some of their important ergodic properties. Afterwards, I will present some geometric questions that can be solved thanks to these Gibbs measures, for example the regularity of entropy under a change of metrics, or the study of horocyclic flow on abelian covers of compact hyperbolic surfaces, or ...

Orateur: SCHAPIRA, Barbara (IMAG, Université de Montpellier)