

SEMINARIO SISTEMAS DINÁMICOS DE SANTIAGO

EXPOSITOR(A): Erwan Lanneau (Université Grenoble Alpes / Institut Fourier).

TÍTULO: *Minimum expansion factors of orientation-reversing pseudo-Anosov maps.*

IDIOMA: Inglés

RESUMEN: Pseudo-Anosov maps are prevalent among mapping classes of surfaces. Given a pA map, the expansion factor measures the complexity of its dynamics. It is a classical result that the set of expansion factors (viewed as a subset of the set of real numbers) among all pA maps defined on a fixed surface has a minimum element. This minimum expansion factor can be thought of as the systole of the moduli space for the Teichmüller metric. Its value is not known for the genus larger than three.

In this talk, we will present some recent progress on the asymptotic of this minimum (normalized) expansion factor for orientation reversing Pseudo-Anosov maps. The talk will be elementary.

This is a recent joint work with Livio Liechti and Chi Cheuk Tsang.

DÍA / HORA: Lunes 01 de abril 2024 / 16:30 AM - 17:30 PM.

LUGAR: Sala Multimedia (6° piso), Facultad de Ciencias Físicas y Matemáticas (Edificio Beauchef 851), Universidad de Chile

