

SEMINARIO SISTEMAS DINÁMICOS DE SANTIAGO

EXPOSITOR(A): Léo Poirier (École Normale Supérieure de Lyon)

TÍTULO: *Characterising Retract Subshifts - Introducing The Notion of Contractible Subshift.*

IDIOMA: Inglés

RESUMEN: A subshift X is a retract of another subshift $Y \supset X$ if the embedding morphism $\text{emb}: X \rightarrow Y$ is split-monic in the category of subshifts (*i.e.* have a left inverse block-map, or "retract"). To characterise this notion, we introduce "contractibility", a strengthening of the strong-irreducibility property which requires that the gluings are given by a block-map. After giving the characterisation of being a retract subshift, we will list out a few links between contractibility and other properties of subshifts (*e.g.* having dense periodic points, having the finite extension property, *etc.*).

This is a joint work with Ville Salo.

DÍA / HORA: Lunes 14 de octubre, 2024 / 16:30 - 17:30 hrs.

LUGAR: Sala de Seminarios (7° piso), Facultad de Ciencias Físicas y Matemáticas (Edificio Beauchef 851), Universidad de Chile

