Topological Persistence of Circular Maps and Applications in the Dynamics of Vector Fields

Group Leaders:
Dahisy Valadão de Souza Lima (UFABC)
Thais Fernanda Monis (IGCE-UNESP

Abstract: A theory of topological persistence for circular mappings has been developed over the last decade. In this project, we propose studying the topological persistence invariants for circular mappings already established in the literature, as well as exploring potential applications in the study of the dynamics of vector fields, in the spirit of Conley Theory.