

Algebra and Geometry Seminar

Speaker: Monica Garcia (Paris-Saclay University)

Title: Towards stability for projective presentations.

Abstract: The notion of stability was introduced in quiver representation theory by A. King in order to construct moduli spaces of isomorphism classes of finite-type modules over a finite-dimensional algebra. This notion -of geometric origin- has since become one of the most studied in the domain due to its profound categorical interpretation and connections to tau-tilting theory, the categorification of cluster algebras, and scattering diagrams. In this talk, we will present an approach to dualize this notion to the category of 2-term complexes of projective modules.