

Explicit examples of trihedral G-Hilbert schemes

Tuesday, 19 December 2023 16:30 (30 minutes)

In this talk I will show how to construct examples of G-Hilb when G is a trihedral group in $SL(3, \mathbb{C})$. The calculations are based on the connection between trihedral boats and representations of the McKay quiver, allowing us to compute explicitly the exceptional locus of the crepant resolution $G\text{-Hilb } \mathbb{C}^3 \rightarrow \mathbb{C}^3/G$ and Reid's recipe for small cases.

Presenter: NOLLA DE CELIS, Alvaro (Madrid)