

## 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 groups and representations of the McKay quiver, allowing us to compute explicitly the exceptional locus of the crepant resolution  $G$ -Hilb  $\mathbb{C}^3 \rightarrow \mathbb{C}^3/G$  and Reid's recipe for small cases.

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