
Hopf25

Ana Ros Camacho

Cardiff University, Cymru (Wales)

Parallel sessions, Forum G

Wednesday, April 23, 2025

14h-14h25

Detecting algebra objects from NIM-reps in pointed, near-group and quantum group-like fusion categories

Algebras in tensor categories are interesting mathematical objects, related to conformal and topological field theory, which are slightly difficult to find and classify. In this work, we study the possible Morita equivalence classes of algebras coming from the Non-negative Integer Matrix representations (or simply NIM-reps) of the fusion rings of pointed, near-group and $A(1, k)_{1/2}$ fusion categories, and compare these results with some existing ones.

Joint work with Sam Hannah.