

1155-18-166

Jonathan Brundan, Alistair Savage* (alistair.savage@uottawa.ca) and **Ben Webster.**

Foundations of the Frobenius Heisenberg category.

Frobenius Heisenberg categories are monoidal categories depending on a Frobenius algebra. We describe bases for the morphism spaces of these categories, proving several open conjectures. We also prove, in a more general setting than previous work, that these categories categorify lattice Heisenberg algebras. (Received January 11, 2020)