

# HEISENBERG V. KAC-MOODY

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Abstract: Ill discuss recent work on the structure of Heisenberg categories and their generalizations, especially the higher-level Heisenberg categorifications defined by Brundan. This includes the long sought-after identification of their Grothendieck groups with Heisenberg algebras, and a construction of categorical Kac-Moody actions from Heisenberg actions which unifies essentially all examples of categorical Kac-Moody actions of interest to representation theorists. This is joint work with Jonathan Brundan and Alistair Savage.