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Title: Categorized Donaldson--Thomas invariants of Calabi--Yau 3-folds

Abstract: Donaldson--Thomas invariants are numerical invariants associated to Calabi--Yau varieties. They can be obtained by glueing singularity invariants from local models of a suitable moduli space endowed with a  $(-1)$ -shifted symplectic structure.

By studying the moduli of such local models, we will explain how to recover Brav--Bussi--Dupont--Joyce--Szendroi's perverse sheaf categorifying the DT-invariants, as well as a strategy for glueing more evolved singularity invariants, such as matrix factorizations.

This is joint work with M. Robalo and J. Holstein.