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Title: A-infinity categories of matrix factorisations
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Session: Category Theory, Algebraic Topology, K-Theory

Associated to any hypersurface singularity is a differential graded category of matrix factorisations, which encapsulates homological invariants of the singularity and has been an important example of a category of boundary conditions in the context of topological field theory and topological string theory. I will discuss the problem of calculating the A-infinity minimal model of this differential graded category, and why this is important in the context of deformation theory (of both singularities, and matrix factorisations).