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McKay correspondence and perverse schobers

Wednesday, 20 December 2023 16:30 (30 minutes)

I will explain how most of the results we know so far about the McKay correspondence in dim = 2 and 3 can be conjecturally packaged up into a single mathematical object known as a perverse schober. These were proposed by Kapranov and Schechtman in 2014 as a categorification of an earlier notion of a perverse sheaf by Beilinson, Bernstein, and Deligne.

Presenter: LOGVINENKO, Thimothy (Cardiff)