

Birational geometry of quiver moduli through Cox rings

Tuesday, 19 December 2023 14:00 (50 minutes)

Moduli spaces of quiver representations appear in various contexts of mathematics. These spaces depend on the choice of stability parameters and, in many cases, variation of the parameters induces birational transformations such as flops. In this talk I will introduce a new method to investigate such transformations using the Cox rings. We will then see that this method works well especially in the context of the McKay correspondence and that it is also useful in the study of a Craw-Ishii type problem.

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