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The Euler characteristic of the Fujiki-Oka resolution via continued fractions

Tuesday, 19 December 2023 11:00 (30 minutes)

Let G be a finite subgroup of SL(n, C). If a quotient variety C n/G has a crepant resolution, then its Euler characteristic is equal to the number of conjugacy classes of G, which is a weak version of the McKay correspondence. In this talk, we generalize this correspondence to a finite cyclic group of GL(n, C). We construct this correspondence using certain toric resolutions obtained through continued fractions.

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