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3D supersymmetric gauge theories and Hilbert series

Tuesday, 28 June 2016 10:30 (25 minutes)

The Hilbert series is a generating function that enumerates gauge invariant chiral operators of a supersymmetric field theory with four supercharges and an R-symmetry. In this talk I will explain how the counting of dressed 't Hooft monopole operators leads to a formula for the Hilbert series of a 3d N=2 gauge theory, which captures precious information about the chiral ring and the geometry of the moduli space of supersymmetric vacua of the theory.

Summary

Presenter: CREMONESI, Stefano (King's college, London)

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