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Determinants and Branes in Twisted Holography

Tuesday, 4 June 2024 15:00 (30 minutes)

Twisted holography relates the 2d chiral algebra subsector of N=4 SYM to the B-model topological string theory on the complex manifold SL(2,C). In this talk, I will present the correspondence between determinant operators and "Giant Graviton" branes. In particular, the large N saddles of determinant correlation functions can be matched with semiclassical D-brane configurations and determinant modifications with brane excitations. I will also discuss twisted holography duals of 4d holomorphic theories and their analogous correspondence.

Presenter: BUDZIK, Kasia (Perimeter Institute)