

BOSTON UNIVERSITY GEOMETRY SEMINAR

Gromov-Witten/Donaldson-Thomas correspondence with descendants

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Wednesday Oct. Nov. 4, 3-4 pm in room PSY B37
Tea 2:45-3 in MCS 153

Abstract: In my talk I will state an exact conjecture relating Gromov-Witten invariants with descendants to Donaldson-Thomas invariants with descendants. The conjecture is proven in the case of \mathbb{P}^1 fibrations over $K3$ surfaces. I will also discuss interesting representation-theoretic structures which appear in the correspondence. The talk is based on joint paper with Okounkov and Pandharipande.