



Mathematics and CS Seminar

BPS-invariants from non-archimedean integrals

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BPS-invariant appear, when one tries to count sheaves on a Calabi-Yau 3-fold in the presence of strictly semi-stable objects as a sort of reduced theory. In is joint work with Francesca Carocci and Giulio Orecchia we consider the special case when the CY3 fold is a (nice) local curve or surface. We conjecturally give a new definition of (refined) BPS-invariants in this case using non-archimedean integration. To support our conjecture, we prove an invariance property of our integrals, which has recently been established for BPS-invariants by Maulik-Shen.

Thursday, May 12, 2022 01:00pm - 03:00pm

Heinzel Seminar Room (I21.EG.101), Office Building West



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