

Gauged Linear Sigma Models, Calabi-Yaus and Hemisphere Partition Function

Thursday 20 July 2017 10:00 (1 hour)

The gauged linear sigma model (GLSM) is a supersymmetric gauge theory in two dimensions which captures information about Calabi-Yaus and their moduli spaces. Recent results in supersymmetric localization provide new tools for computing quantum corrections in string compactifications.

This talk will focus in particular on the hemisphere partition function of the GLSM which computes the quantum corrected central charge of B-type D-branes. Several concrete examples of GLSMs and applications of the hemisphere partition function in the context of transporting D-branes in the Kahler moduli space will be given.

Presenter: KNAPP, Johanna (TU Wien)