

Abstract

Both the Gromov-Witten theory of a Calabi-Yau complete intersection variety and its Landau-Ginzburg dual (FJRW-theory) can be expressed as the gauged linear sigma models. The LG/CY correspondence can be interpreted as a variation of the moment map or a deformation of GIT in the GLSM. This talk will explain our work of algebraic construction of the invariants of GLSM. This is a joint work with T. Jarvis and Y. Ruan and the result will be published in *Geometry and Topology*, 2017.