

Integrability Program Seminar: Song Yu

Tuesday, September 20·1:00 – 2:30pm

Title: Orbifold open/closed correspondence

Abstract: We will introduce a mathematical formulation of the open/closed correspondence originally proposed by Mayr, which is a correspondence between the disk invariants of toric Calabi-Yau 3-orbifolds and genus-zero closed Gromov-Witten invariants of toric Calabi-Yau 4-orbifolds. We will discuss the correspondence at the numerical level for individual invariants, as well as the level of generating functions. We will also discuss its compatibility with open and closed mirror symmetry and further implications. This is based on joint work with Chiu-Chu Melissa Liu.