

Seminar on Mirror Symmetry

김 현 빈

정 명 진

2022.09.22 (Fri) 10:30 ~ 18:00

Science Building #262

Abstract : Through the framework of tropical geometry, we analyze the critical behavior of the Landau-Ginzburg mirror of toric/non-toric blowups of possibly non-Fano toric surfaces. After a brief review on the mirror construction for log Calabi-Yau surfaces, we introduce a method for identifying the precise location of critical points of the superpotential (or equivalently, non-displaceable fibers). We further show their non-degeneracy for generic parameters, proving closed and open string mirror symmetry.

