

Tobias Ekholm

Title: Skeins on Branes

Abstract:

We define open Gromov-Witten invariants of a 3-dimensional Maslov zero Lagrangian in a symplectic Calabi-Yau manifold. Applying SFT stretching in this context we give a proof of Ooguri-Vafa's relation between curve counts in the resolved conifold and HOMFLY polynomials of knots.