"God is always invented to explain those things that you do not understand."
— Richard Feynman

The Trivial Notions Seminar
Proudly Announces

Mirror Symmetry from SYZ

A talk by
Yu-Shen Lin

Abstract

Mirror symmetry is a rather new field from physics. It first astonished mathematicians by predicting the number of rational curves of degree d in quintic Calabi-Yau 3-folds by a rather simple calculation related to the mirror. We will have a brief story of classical mirror symmetry and SYZ perspective. The SYZ viewpoint provides a way to predict how symplectic geometry on one Calabi-Yau manifold X relates to complex geometry of its mirror $\check{X}$. Hopefully, we can see from a local example how might holomorphic discs with boundary on Lagrangians in X be related to the correction of complex structure of $\check{X}$.

Thursday April 12^{th}, at 2:00 pm
Science Center 310