



istanbul matematiksel bilimler merkezi  
istanbul center for mathematical sciences

# SYZ MIRROR SYMMETRY

Conan Leung

The Chinese University of Hong Kong

## Abstract

Mirror symmetry is a surprising duality predicted from string theory. In mathematics, it is an equivalence between two seemingly unrelated geometries, namely complex geometry and symplectic geometry. In this lecture, I will explain the proposal of Strominger-Yau-Zaslow which describe this duality as a Fourier type transformation along special Lagrangian fibrations.

**Date:** Monday, June 6, 2011

**Time:** 14:00

**Place:** IMBM Seminar Room, Boğaziçi University

This visit is sponsored by the Gökova Geometry/Topology Conference.