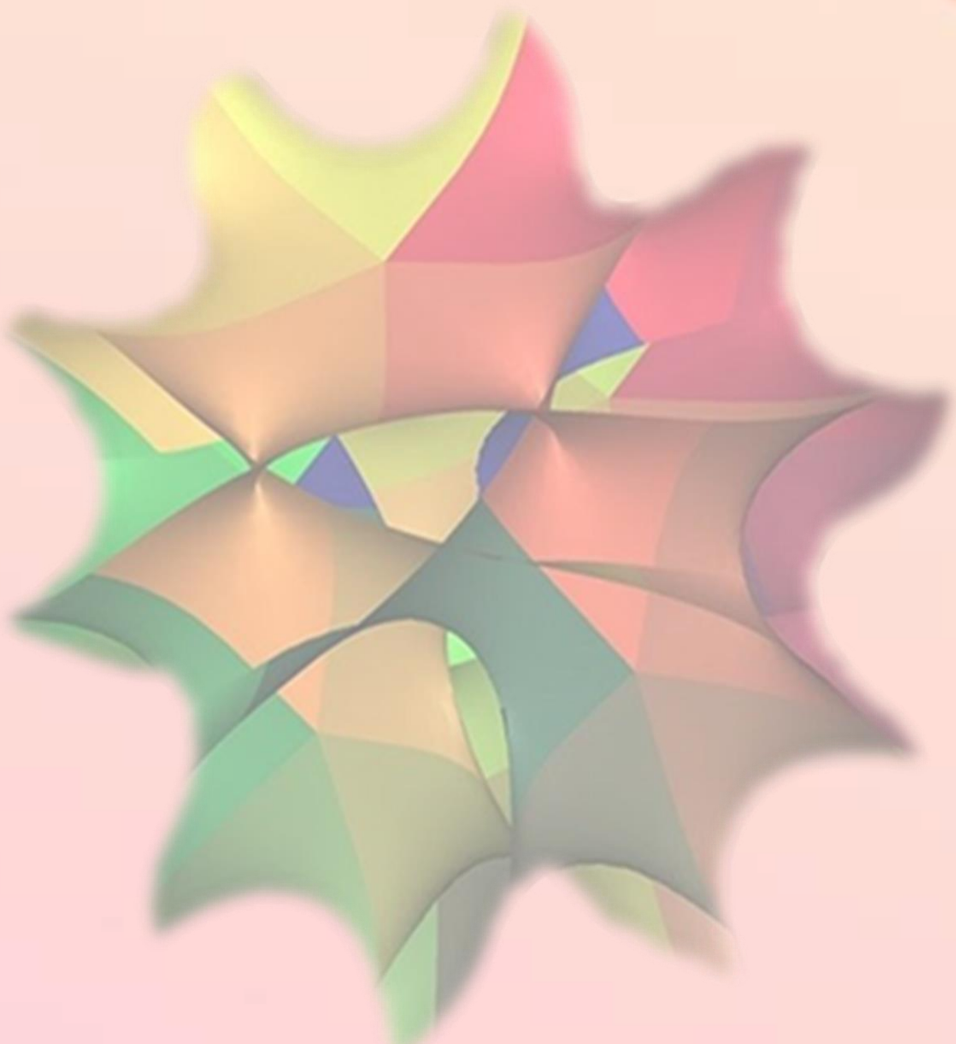
NCTS Mini Course on Mirror Symmetry

June 18-20 (Sat.)-(Mon.), 2016

Rm 202, NCTS (Astro-Math Bldg., NTU)



Speaker

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Mirror symmetry is a mysterious relationship between complex geometry and symplectic geometry motivated by string theory. It started as a relation between pairs of Calabi-Yau manifolds, but its scope has been graduallly extended, and it has now become a huge subject, which not only relates complex geometry and symplectic geometry, but also connects many branches of mathematics, such as integrable systems, knot invariants, geometric Langlands correspondence and cluster algebras, to name a few.

In the lectures, I will give an introduction to mirror symmetry, with emphasis on explicit examples.

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https://sites.google.com/site/minicoursemirror/

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