

CALABI-YAU GEOMETRY AND MIRROR SYMMETRY CONFERENCE

WORKSHOPS



CASTS

理論科學研究中心
Center for Advanced Study in Theoretical Sciences

2014. 1. 6-10

Generalized SYZ mirror symmetry

Prof. Siu-Cheong Lau

Generalized SYZ mirror symmetry

Lagrangian Floer theory and Homological Mirror Symmetry

Prof. Hiroshi Ohta

Lagrangian Floer theory and Homological Mirror Symmetry

Lagrangian Floer theory and Homological Mirror Symmetry

Prof. Kaoru Ono

Lagrangian Floer theory and Homological Mirror Symmetry

Mirror symmetry of determinantal quintics and Calabi-Yau manifolds of Reye congruences

Prof. Shinobu Hosono

Mirror symmetry of determinantal quintics and Calabi-Yau manifolds of Reye congruences

Cohomological crepant resolution conjecture for the Hilbert scheme of points on surfaces

Prof. Wei-Ping Li

Cohomological crepant resolution conjecture for the Hilbert scheme of points on surfaces

All-genus open-closed mirror symmetry for toric Calabi-Yau 3-orbifolds

Prof. Chiu-Chu Liu

All-genus open-closed mirror symmetry for toric Calabi-Yau 3-orbifolds

邁向卓越之路－哈佛數學之百年歷史

Prof. Shing-Tung Yau

邁向卓越之路－哈佛數學之百年歷史

Geometric Constraints in Heterotic/F-theory Duality

Prof. Lara Anderson

Geometric Constraints in Heterotic/F-theory Duality

Algebra-geometric approach toward higher genus GW invariants of Quintics

Prof. Huai-Lian Chang

Algebra-geometric approach toward higher genus GW invariants of Quintics

The tautological system as a tool to study period integrals

Dr. An Huang

The tautological system as a tool to study period integrals

Families of Lattice Polarized K_3 Surfaces with Monodromy

Prof. Charles Doran

Families of Lattice Polarized K_3 Surfaces with Monodromy

Mirror symmetry and $K3$ surfaces

Prof. Kazushi Ueda

Mirror symmetry and $K3$ surfaces

SYZ transformation for coisotropic A-branes

Prof. Naichung Conan Leung

SYZ transformation for coisotropic A-branes

邁向卓越之路－哈佛數學之百年歷史

Prof. Shing-Tung Yau

邁向卓越之路－哈佛數學之百年歷史

Orientation data in Donaldson Thomas theory

Prof. Zheng Hua

Orientation data in Donaldson Thomas theory

Decompositions of small transitions of Calabi-Yau threefolds

Dr. Sz-Sheng Wang

Decompositions of small transitions of Calabi-Yau threefolds

Flops and S-duality conjecture

Prof. Yukinobu Toda

Flops and S-duality conjecture

Homological mirror functor from counting polygons

Prof. Cheol-Hyun Cho

Homological mirror functor from counting polygons

A class of Calabi-Yau fourfolds and the moduli space of the Strominger system

Prof. James Gray

A class of Calabi-Yau fourfolds and the moduli space of the Strominger system

The Hitchin connection and non abelian theta functions.

Prof. Jørgen E. Andersen

The Hitchin connection and non abelian theta functions.

Calabi-Yau threefolds of type K and mirror symmetry

Dr. Atsushi Kanazawa

Calabi-Yau threefolds of type K and mirror symmetry

Primitive forms and mirror symmetry

Prof. Changzheng Li

Primitive forms and mirror symmetry

Knot Invariants and Homologies via Calabi-Yau Geometry

Prof. Hiroyuki Fuji

Knot Invariants and Homologies via Calabi-Yau Geometry

Topological Strings and Elliptic Fibrations

Dr. Emanuel Scheidegger

Topological Strings and Elliptic Fibrations

Mirror Symmetry for Toric CY Manifolds from the SYZ perspective

Prof. Kwok Wai Chan

Knot Mirror Symmetry for Toric CY Manifolds from the SYZ perspective and Homologies via Calabi-Yau Geometry

Quasimap Theory

Prof. Bumsig Kim

Quasimap Theory

The Weil-Petersson metric on the moduli of Calabi-Yau varieties

Dr. Tsung-Ju Lee

The Weil-Petersson metric on the moduli of Calabi-Yau varieties

SYZ Correspondence for Abelian Varieties and Witten Deformation

Prof. Ziming Nikolas Ma

SYZ Correspondence for Abelian Varieties and Witten Deformation

Polynomial Rings and Topological Strings

Dr. Murad Alim

Polynomial Rings and Topological Strings

B-twisted sigma model and Landau-Ginzburg model

Prof. Qin Li

B-twisted sigma model and Landau-Ginzburg model

On positive aspects of mirror symmetry

Prof. Sergey Galkin

On positive aspects of mirror symmetry

Gamma Conjecture for Fano manifolds

Prof. Hiroshi Iritani

Gamma Conjecture for Fano manifolds