Hong Kong Geometry Colloquium

The Chinese University of Hong Kong

Venue: Academic Building 1, Room 502A

Date: January 26, 2008 (Saturday)

Professor Yiming Long

Chern Institute of Mathematics,

Nankai University, China

南开数学研究所

Time: 9:30 am – 10:30 am

Closed Geodesics on Spheres

Abstract:

Closed geodesics on compact manifolds, specially spheres, is an interesting and difficulty topic in both dynamical systems and differential geometry. In this lecture I shall give a survey on recent progress about the multiplicity and stability on closed geodesics on Finsler and Riemannian spheres.

Professor Wei Dong Ruan

KAIST, Korea

Time: 11:00 am – 12:00 pm

Homological Mirror Symmetry

Abstract:

In 1994, Kontsevich proposed the homological mirror symmetry conjecture for Fano varieties and Calabi-Yau manifolds that predicts the equivalence of the derived category of coherent sheaves on the manifold and the Fukaya category for the mirror. In this talk, we will discuss the homological mirror symmetry for certain Fano and Calabi-Yau manifolds.

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