

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research
Department of Mathematics*

GEOMETRY SEMINAR

Notions of stability on elliptic fibrations

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Abstract

An important class of Calabi-Yau threefolds is that consisting of elliptically-fibered Calabi-Yau threefolds. The fibration structures and the Fourier-Mukai transforms associated to these threefolds make them a good testing ground for various problems concerned with threefolds. In this talk, I will discuss a framework for studying the geometry of elliptic threefolds. As an application, I will describe a result on preservation of stability for sheaves under Fourier-Mukai transforms.

Date: August 10, 2015 (Monday)

Time: 4:00 – 5:00pm

Place: Room 210, Run Run Shaw Bldg., HKU

All are welcome