

THE UNIVERSITY



OF HONG KONG

*Institute of Mathematical Research  
Department of Mathematics*

## **GEOMETRY SEMINAR**

# **Introduction to enumerative geometry for Landau Ginzburg target space**

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The Hong Kong University of Science & Technology

Date: March 4, 2014 (Tuesday)

Time: 4:30 – 5:30pm

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

### **Abstract**

This is an introduction of enumerating theory of curves “in” a Landau Ginzburg space. The typical example including Fan-Jarvis-Ruan setting and also the Guffin-Sharpe setting. The Guffin Sharpe setting is known to be equal to Gromov Witten invariants and can be generalized to other quasimap stabilities. Using  $p$  field and cosection localization one can construct algebraic geometrically the virtual cycle for these kind of invariants, in case all sectors are narrow.

*All are welcome*