



The Hong Kong University of Science and Technology

Department of Mathematics

Hong Kong Geometry Colloquium

Saturday, 20 March 2004

Room 3412, Academic Building, (near Lifts 17 & 18), HKUST

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\*2:30p.m.-3:30p.m.

*Professor Zhou Jian*

Tsing Hua University at Beijing

Gromov-Witten invariants of local Calabi-Yau geometries

Abstract. In this talk I will talk about some recent progresses in the Computations of Gromov-Witten invariants of local Calabi-Yau geometries. This involves some closed formulas for Hodge integrals in terms of representation theory of Kac-Moody algebras and link invariants. If time allows, I will also mention the relationship with invariants of some moduli spaces of instantons.

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\* 03:30p.m.-04:00p.m. Tea Break \*

\* Venue: Room 3493, Academic Building, (near Lifts 25 & 26), HKUST \*

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\*4:00p.m.-5:00p.m.

*Professor H. Esnault*

University of Essen, Germany and IMS at CUHK

Hodge type, rational points over finite fields and motivic cohomology

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*\*This schedule is irregular as usual.*

*All are welcome!*