THE UNIVERSITY   **OF HONG KONG**

Institute of Mathematical Research
Department of Mathematics

Geometry Seminar

Elliptic singularities on log symplectic manifolds

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Abstract

A log symplectic form is a symplectic form that has a pole along a hypersurface, but still defines a Poisson bracket. Lie algebras, moduli spaces and noncommutative geometry provide many examples of these structures. It turns out that the possible singularities of the polar hypersurface are heavily constrained. I will describe some results on the structure and classification of these singularities, focusing on connections with elliptic curves.

Date: March 31, 2016 (Thursday)

Time: 4:00 – 5:00pm

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

All are welcome