



*Institute of Mathematical Research
Department of Mathematics*

GEOMETRY SEMINAR

Compactified moduli spaces of rational curves in projective homogeneous varieties

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Abstract

The space of smooth rational curves of degree d in a projective variety X admits embeddings into the Hilbert scheme, the moduli space of stable sheaves, and the moduli space of stable maps. By taking their closures we get its compactifications. In this talk we will compare these compactifications when $d \leq 3$ and X is a projective homogeneous variety.

Date: September 30, 2011 (Friday)

Time: 3:00 - 4:00pm

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

All are welcome