

Kempner Colloquium

ON THE (NON)-COMMUTATIVE GEOMETRY OF SINGULAR SYMPLECTIC QUOTIENTS

Hans-Christian Herbig

(IMF)

Symplectic quotients M_0 (at zero level) of unitary representations of compact groups are semialgebraic sets. We explain how commutative algebra techniques can be employed to study their geometry and can be used to construct associative deformations of various function algebras associated to M_0 .

May 1, 2012

3:00 p.m.

MATH 350