

Geometry, Groups and Dynamics/GEAR Seminar
(held at the Illinois hub of GEAR)

12:00 pm, Tuesday, October 25, 2016, 243 Altgeld Hall

Marina Logares (Oxford)

Character Varieties and the Hodge Monodromy Representation

Character varieties have been studied thoroughly in relation with moduli spaces of Higgs bundles. Their topological invariants were studied via the non abelian Hodge correspondence, and recently attention has been focused on the so called e-polynomial, which provides algebraic information on them. I'm going to report on ongoing work on formalising the method to compute e- polynomials given in joint work with P. Newstead and V. Muñoz. This formalisation is intended for producing a 1+1 TQFT, this is a project with A. González and V. Muñoz.

[Video](#)