

2006/07 EPSRC Symposium on Low Dimensional Geometry & Topology
Workshop: Dynamics on Character Varieties

21 - 23 October 2008

Organisers: Caroline Series and Saul Schleimer

All talks will be in the Mathematics Institute, Zeeman Building.

Tuesday 21 October 2008, Lecture Room B3.02, 13:00-18:00

- 13:00-14:00 **Anne Thomas** (Cornell)
Lattices acting on Platonic polygonal complexes and Fuchsian buildings
[Joint with Algebra Seminar]
- 14:00-15:00 **Jack Button** (Cambridge)
The Bowditch conjecture and the Markoff conjecture
- 15:00-15:30 Tea in the Mathematics Institute Common Room
- 15:30-16:30 **Serge Cantat** (Rennes)
Lecture 1: Holomorphic dynamics and character varieties
- 16:30-17:30 **Anthony Manning** (Warwick)
Curves of fixed points of trace maps
- 19:00 Workshop dinner: Harringtons, Kenilworth

Wednesday 22 October 2008, Lecture Room B1.01, 13:00-17:00

- 13:30-14:30 **Serge Cantat** (Rennes)
Lecture 2: Holomorphic dynamics and character varieties
- 14:30-15:30 **Brian Bowditch** (Warwick)
Coarse models of hyperbolic three-manifolds
- 15:30-16:00 Tea in the Mathematics Institute Common Room
- 16:00-17:00 **Jeroen Lamb** (Imperial)
On the dynamics of trace maps motivated by nonlinear Schrödinger equations on aperiodic chains

Thursday 23 October 2008, Lecture Room D1.07, 14:00-18:00

- 14:00-15:00 **Ser Peow Tan** (Singapore)
Dynamics of the modular group action on the set of characters preserving a hyperbolic plane
- 15:00-16:00 Tea and discussion in the Mathematics Institute Common Room
- 16:00-17:00 **Caroline Series** (Warwick)
Pleating varieties and the discreteness problem

If you have any questions during the workshop please see either Hazel Higgins or Yvonne Collins in Room B1.37 which is opposite the Common Room.