

Workshop on Analytic Aspects of Low Dimensional Geometry

4 - 9 September 2006

Organisers: Samuel Lelièvre, Vlad Markovic and Caroline Series

PROGRAMME (REVISED 6 SEPTEMBER 2006)

All talks will be in Lecture Room B3.03 in the Mathematics Institute, Zeeman Building

Monday 4 September 2006

- 10:00 Registration and Tea and Coffee
 11.15-12:15 **Francis Bonahon** (University of Southern California) *The quantum Teichmüller space and its representations*, 1
 12:15-14:00 Lunch break
 14:00-15:00 **Anton Zorich** (Rennes) *Flat surfaces and Teichmüller dynamics*, 1
 15:00-15:45 Tea and Coffee in the Mathematics Institute Common Room
 15:45-16:45 **Maryam Mirzakhani** (Clay Institute/Princeton) *Simple curves and the volume of moduli space*, 1
 18:00 **Buffet Dinner** in the Mathematics Institute Common Room

Tuesday 5 September 2006

- 09:30-10:30 **Francis Bonahon** (University of Southern California) *The quantum Teichmüller space and its representations*, 2
 10:30-11:00 Tea and Coffee in the Mathematics Institute Common Room
 11:15-12:15 **Anton Zorich** (Rennes) *Flat surfaces and Teichmüller dynamics*, 2
 12:15-14:00 Lunch break
 14:00-15:00 **Francis Bonahon** (University of Southern California) *The quantum Teichmüller space and its representations*, 3
 15:00-15:45 Tea and Coffee in the Mathematics Institute Common Room
 15:45-16:45 **Maryam Mirzakhani** (Clay Institute/Princeton) *Simple curves and the volume of moduli space*, 2

Wednesday 6 September 2006

- 09:30-10:30 **Francis Bonahon** (University of Southern California) *The quantum Teichmüller space and its representations*, 4
 10:30-11:00 Tea and Coffee in the Mathematics Institute Common Room
 11:00-11:50 **Stephane Baseilhac** (Grenoble) *Quantum hyperbolic geometry*
 12:00-12:50 **Jean-Marc Schlenker** (Université Paul Sabatier) *Hyperbolic and AdS manifolds with "particles"*
 12:50 Lunch break
 14:30 & 16:30 **Buses leave for the Excursion and Conference Dinner at Baddesley Clinton**

Thursday 7 September 2006

- 09:30-10:30 **Maryam Mirzakhani** (Clay Institute/Princeton) *Simple curves and the volume of moduli space*, 3
 10:30-11:00 Tea and Coffee in the Mathematics Institute Common Room
 11:00-11:50 **Tan Ser Peow** (Singapore) *End invariants for $SL(2, \mathbb{C})$ characters of a one-holed torus*
 12:00-12:50 **Greg McShane** (Toulouse) *Cross ratio and identities for higher Thurston theory*
 12:50-14:20 Lunch break
 14:20-15:10 **Athanase Papadopoulos** (Strasbourg) *Weak metrics in hyperbolic geometry*
 15:10-16:10 Tea and Coffee in the Mathematics Institute Common Room and Posters
 16:10-17:00 **Cliff Earle** (Cornell) *Some classical applications of complex function theory to the topology of surfaces*

Friday 8 September 2006

- 09:30-10:30 **Anton Zorich** (Rennes) *Flat surfaces and Teichmüller dynamics*, 3
 10:30-11:00 Tea and Coffee in the Mathematics Institute Common Room
 11:00-11:50 **Kasra Rafi** (Connecticut) *Closed geodesics that are contained in the thin part of moduli space*
 12:00-12:50 **Kirill Krasnov** (Nottingham) *On renormalized volume of hyperbolic 3-manifolds*
 12:50-14:20 Lunch break
 14:20-15:10 **Christopher Judge** (Indiana) *Spectral geometry within moduli spaces*
 15:10-16:10 Tea and Coffee in the Mathematics Institute Common Room and Posters
 16:10-17:00 **Makoto Sakuma** (Osaka) *Geometry and topology of 2-bridge knots*
 18:00 **Buffet Dinner** in the Mathematics Institute Common Room

Saturday 9 September 2006

- 09:30-10:30 **Maryam Mirzakhani** (Clay Institute/Princeton) *Simple curves and the volume of moduli space*, 4
 10:30-11:00 Tea and Coffee in the Mathematics Institute Common Room
 11:15-12:15 **Anton Zorich** (Rennes) *Flat surfaces and Teichmüller dynamics*, 4

If you have any problems or questions during the Workshop please go to the Mathematics Research Centre in Room B1.37 - opposite the Common Room - and see either Yvonne Collins or Hazel Higgs