LMS Durham Symposium on Analytic and Geometric Aspects of Hyperbolic Space Sunday 4th July - Sunday 11th July 1993

THIRD ANNOUNCEMENT PROGRAMME - MONDAY 5th JULY

CG93 9.15 a.m. - 10.00 a.m.

F. Paulin - On outer automorphisms of hyperbolic groups.

CG93 10.15 a.m. - 11.00 a.m.

M. Lustig - An algorithm for conjugacy of irreducible automorphisms of free groups.

11.00 a.m.

COFFEE - Room CM211

CG93 11.45 a.m. - 12.30 p.m.

G. Levitt - The rank of actions on R-trees.

1.00 p.m.

LUNCH Grey College

CG93 2.15 p.m. - 3.00 p.m.

R. Canary - Covering theorems for hyperbolic 3-manifolds.

CG93 3.15 p.m. - 4.00 p.m.

Y. Minsky - Rigidity and ending laminations for kleinian groups.

4.00 p.m.

TEA - Room CM211

CG93 4.30 p.m. - 5.30 p.m.

R. Brooks -Spectral geometry of hyperbolic manifolds.

6.30 p.m.

Sherry Reception - JCR

7.00 p.m.

DINNER Grey College

PROGRAMME - TUESDAY 6th JULY

CG93 9.15 a.m. - 10.00 a.m.

A. Zeghib - Geodesic hypersurfaces in hyperbolic manifolds.

CG93 10.15 a.m. - 11.00 a.m.

S. Fenley - Anosov flows on 3-manifolds.

11.00 a.m.

COFFEE - Room CM211

CG93 11.45 a.m. - 12.30 p.m.

D. Gabai - Homotopy equivalences and compact hyperbolic 3-manifold.

1.00 p.m.

LUNCH Grey College

2.00 p.m.

PHOTOGRAPH Grey College Steps

CG93 2.15 p.m. - 3.00 p.m.

M. Rees - First and second derivative of the Teichmüller distance function for marked spheres.

CM101 3.15 p.m. - 4.00 p.m.

S. Krushkal (in parallel) - Polynomial convexity and approximation of Teichmüller spaces.

CM107 3.15 p.m. - 4.00 p.m.

A. Papadopoulos (in parallel) - Affine foliations and broken hyperbolic structures on surfaces.

4.00 p.m.

TEA - Room CM211

CG93 4.30 p.m. - 5.30 p.m.

H. Masur - A random walk in Teichmüller space and the Furstenberg boundary of Teichmüller space..

7.00 p.m.

DINNER Grey College

PROGRAMME - WEDNESDAY 7th JULY

CM101 9.15 a.m. - 10.00 a.m. J. Velling (in parallel) - Constant mean curvature surfaces at infinity of H³.

CM107 9.15 a.m. - 10.00 a.m. W. Harvey (in parallel) - Finite area hyperbolic surfaces in moduli spaces.

CM101 10.15 a.m. - 11.00 a.m. D. Singerman (in parallel) - Discrete groups and real curves.

CM107 10.15 a.m. - 11.00 a.m. K. Matsuzaki (in parallel) - Structural stability of kleinian groups with torsion.

11.00 a.m. COFFEE - Room CM211

CM101 11.45 a.m. - 12.30 p.m. I. Kra (in parallel) - Automorphic forms.

CM107 11.45 a.m. - 12.30 p.m. B. Bowditch (in parallel) - Geometry of convex hulls.

1.00 p.m. LUNCH Grey College

CG93 2.15 p.m. - 3.00 p.m. I. Rivin - Deformations of singular hyperbolic and euclidean structures.

CG93 3.15 p.m. - 4.00 p.m. C. Hodgson - Harmonic deformations of cone manifolds I.

4.00 p.m. TEA - Room CM211

CG93 4.30 p.m. - 5.30 p.m. S. Kerckhoff -Harmonic deformations of cone manifolds II.

7.00 p.m. DINNER Grey College

PROGRAMME - THURSDAY 8th JULY

CM101 9.15 a.m. - 10.00 a.m. L. Keen/J. Parker (in parallel) - Teichmüller space for the twice punctured torus.

CM107 9.15 a.m. - 10.00 a.m. M. Macbeath (in parallel) - Unified plane crystallography.

CM101 10.15 a.m. - 11.00 a.m. D. Griffiths (in parallel) - Towards a geometrical presentation for the mapping class group in genus two.

CM107 10.15 a.m. - 11.00 a.m. R. Sharp (in parallel) - Orbit counting for some discrete groups acting on

hyperbolic spaces.

11.00 a.m. COFFEE - Room CM211

CM101 11.45 a.m. - 12.30 p.m. C. Penrose (in parallel) - Limit sets for correspondences.

CM107 11.45 a.m. - 12.30 p.m. P. Schmutz (in parallel) - Congruence subgroups and maximal Riemann surfaces.

1.00 p.m. LUNCH Grey College

Afternoon: Durham Cathedral - depart Grey College 2.00 p.m.

7.00 p.m. DINNER Grey College

PROGRAMME - FRIDAY 9th JULY

CG93 9.15 a.m. - 10.00 a.m.

A. Basmajian - Generalizing the collar lemma.

CG93 10.15 a.m. - 11.00 a.m.

J. Anderson - Quasi-fuchsian subgroups of kleinian groups.

11.00 a.m.

COFFEE - Room CM211

CM101 11.45 a.m. - 12.30 p.m.

C. Maclachlan (in parallel) - Arithmetic hyperbolic suface bundles.

CM107 11.45 a.m. - 12.30 p.m.

K. Fujiwara (in parallel) - "Free products of with amalgamation word hyperbolic groups".

1.00 p.m.

LUNCH Grey College

CG93 2.15 p.m. - 3.00 p.m.

M. Culler - Volumes of hyperbolic 3-manifolds I.

CG93 3.15 p.m. - 4.00 p.m.

F. Gehring/G. Martin - Geometric constraints for kleinian groups.

4.00 p.m.

TEA - Room CM211

CG93 4.30 p.m. - 5.30 p.m.

P. Shalen - Volumes of hyperbolic 3-manifolds II.

7.00 p.m.

SPECIAL DINNER Grey College

PROGRAMME - SATURDAY 10th JULY

CG93 9.15 a.m. - 10.00 a.m.

M. Lyubich -New points of local connectivity of the Mandelbrot set.

CG93 10.15 a.m. - 11.15 a.m.

L. Mosher - Spaces which are not negatively curved.

11.00 a.m.

COFFEE Room - CM211

CG93 11.45 a.m. - 12.45 p.m.

G. Mess - Retrospective on the Seifert fibre space conjecture and groups coarse quasi-isometric to the hyperbolic plane.

1.00 p.m.

LUNCH Grey College