

2017-2018 Warwick EPSRC Symposium

Teichmüller dynamics

19-23 March 2018

WARWICK
THE UNIVERSITY OF WARWICK

EPSRC

Engineering and Physical Sciences
Research Council

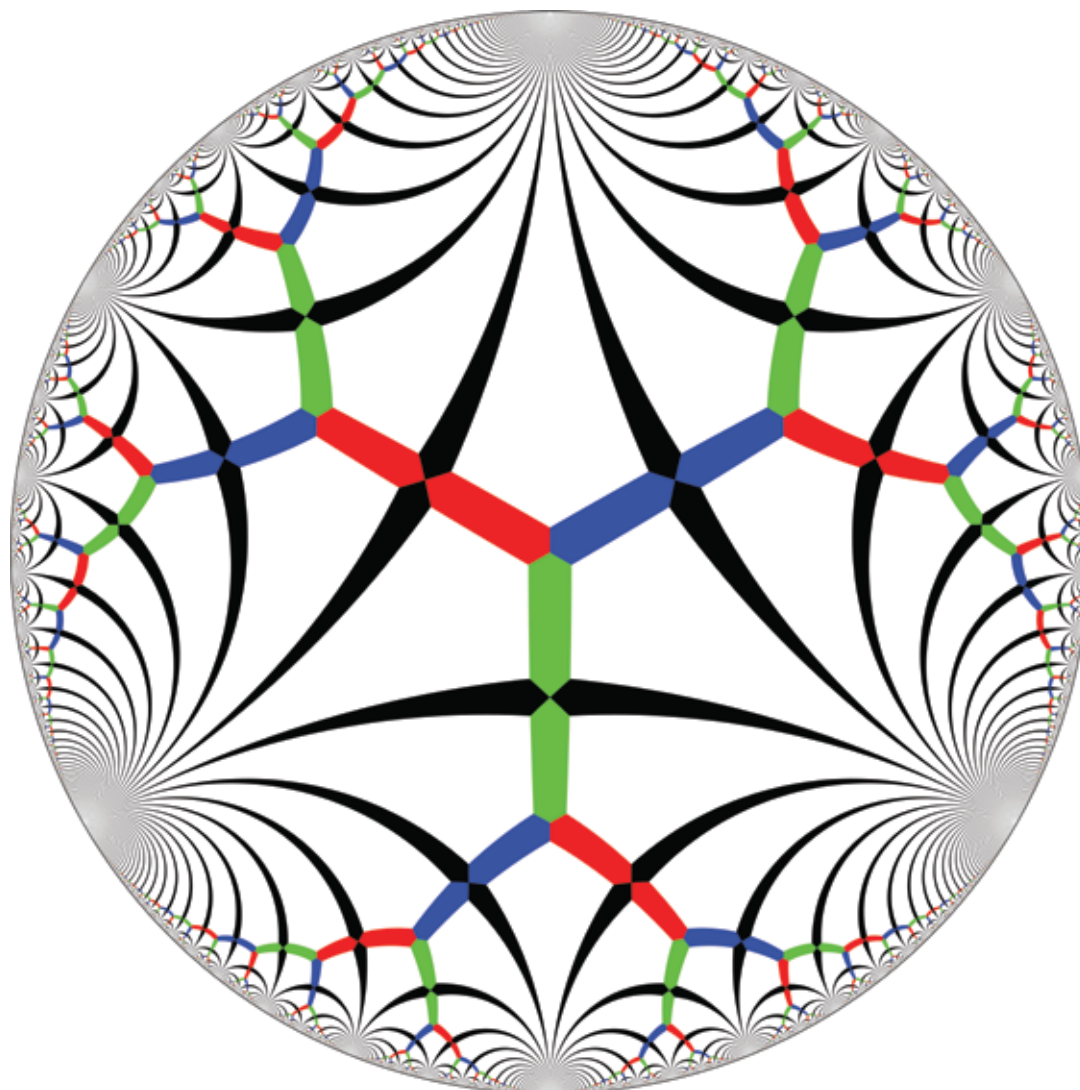


Image by Roice Nelson [http://roice3.org/]

	Monday	Tuesday	Wednesday	Thursday		Friday
09:30-10:30	Wright	Masur	Marchese	Lenzhen	09:30-10:30	Hamenstaedt
11:00-11:30	Ruhr	Apisa	Taha	Dozier	11:00-11:30	Fougeron
11:35-12:35	Moeller	Skripchenko	Matheus	Delecroix	11:35-12:05	Ghazouani
Lunch Break						
14:30-15:00	Gutierrez	Pardo	Free Afternoon	Maryam Mirzakhani Memoriam Meeting	13:30-14:30	Weiss
15:30-16:30	Zvonkine	Lanneau			14:35-15:35	Chaika

Organisers: Corinna Ulcigrai, Anton Zorich, John Smillie

For more information see: <https://warwick.ac.uk/fac/sci/math/research/events/2017-18/symposium/>

For further information on events at the Mathematics Institute, see: go.warwick.ac.uk/mathsevents
or contact: Mathematics Research Centre, Zeeman Building, University of Warwick, Coventry CV4 7AL, UK
E-mail: mrc@maths.warwick.ac.uk Phone: +44(0)24 7652 2681

Detailed Programme

All lectures will be held in Room B3.03, Zeeman Building;

Monday

- 09:30-10:30 **Alex Wright** (Stanford) *Nearly Fuchsian surface subgroups of finite covolume Kleinian groups*
- 10:30-11:00 Coffee break in the Mathematics Common Room
- 11:00-11:30 **Rene Ruhr** (Tel Aviv) *Effective counting of saddle connections*
- 11:35-12:35 **Martin Moeller** (Goethe-Universitaet Frankfurt) *A Gothic modular form*
- 12:35-14:30 Lunch in the Mathematics Common Room
- 14:30-15:00 **Rodolfo Gutierrez** (Paris Diderot) *Rauzy–Veech groups of flat surfaces*
- 15:00-15:30 Tea break in the Mathematics Common Room
- 15:30-16:30 **Dimitri Zvonkine** (CNRS) *Plugging $r=0$ into the space of r -th roots*
- 18:00 Dinner in the Mathematics Common Room

Tuesday

- 09:30-10:30 **Howard Masur** (Chicago) *Hausdorff dimension of the set of non uniquely ergodic interval exchange transformations*
- 10:30-11:00 Coffee break in the Mathematics Common Room
- 11:00-11:30 **Paul Apisa** (Chicago) *Shouting across the void-Low dimensional orbit closures in hyperelliptic components*
- 11:35-12:35 **Sasha Skripchenko** (HSE Russia) *Rauzy gasket and its adventures in dynamics, topology and physics*
- 12:35-14:30 Lunch in the Mathematics Common Room
- 14:30-15:00 **Angel Pardo** (Institut Fourier) *A non-varying phenomenon: Hidden symmetries in hyperelliptic surfaces*
- 15:00-15:30 Tea break in the Mathematics Common Room
- 15:30-16:30 **Erwan Lanneau** (Grenoble Alpes) *Diffusion rate in non generic directions in the wind-tree model*
- 18:00 Dinner in the Mathematics Common Room

Wednesday

- 09:30-10:30 **Luca Marchese** (Paris 13) *Hitting time on some translation surfaces*
- 10:30-11:00 Coffee break in the Mathematics Common Room
- 11:00-11:30 **Diaaheldin Taha** (Washington) *A gap theorem (Steinhaus Conjecture) for general interval exchange transformations via zippered rectangles*
- 11:35-12:35 **Carlos Matheus** (CNRS) *Local conjugacy classes of Diophantine interval exchange transformations*
- 12:35-14:30 Lunch in the Mathematics Common Room
- Free afternoon

Thursday

- 09:30-10:30 **Anja Lenzhen** (Rennes 1) *Limit sets of Teichmuller geodesic rays in the Thurston boundary of Teichmuller space*
- 10:30-11:00 Coffee break in the Mathematics Common Room
- 11:00-11:30 **Ben Dozier** (Stanford) *Convergence of Siegel-Veech constants*
- 11:35-12:35 **Vincent Delecroix** (Bordeaux) *Counting meanders with combinatorial constraints*
- 12:35-14:00 Lunch in the Mathematics Common Room
- 14:00 *Maryam Mirzakhani Memoriam Meeting*

Friday

- 09:30-10:30 **Ursula Hamenstaedt** (Bonn) *Ergodic properties of strata with a simple zero*
- 10:30-11:00 Coffee break in the Mathematics Common Room
- 11:00-11:30 **Charles Fougerson** (CAS - Skoltech) *Rauzy induction for affine interval exchanges*
- 11:35-12:05 **Selim Ghazouani** (Warwick) *Teichmuller dynamics and dilation tori*
- 12:05-13:30 Lunch in the Mathematics Common Room
- 13:30-14:30 **Barak Weiss** (Tel Aviv) *Horocycle orbits in strata of translation surfaces II*
- 14:35-15:35 **Jon Chaika** (Utah) *Horocycle orbits in strata of translation surfaces I*
- 15:35-16:30 Tea break in the Mathematics Common Room