



On geometric complexity of Julia sets

Będlewo, 18-23 March 2018

PROGRAMME

(updated 22nd March)

All talks will be held in the **lecture room A** (ground floor of the hotel).

Sunday, 18 March

- 16:45** *bus from Poznań airport (the same bus will take the participants from Poznań Główny Railway Station with planned departure at 17:10)*
- 19:00** *dinner*

Monday, 19 March

- 8:00** *breakfast*
- 9:00 - 10:00** **Mikhail Lyubich** (*Stony Brook University*)
Pacman Renormalization and scaling of satellite Mandelbrot copies near Siegel points
- 10:00 - 10:30** *coffee break*
- 10:30 - 11:30** **Dzmitry Dudko** (*Stony Brook University*)
Dynamics of rescaled limits of quadratic polynomials
- 11:45 - 12:45** **Krzysztof Barański** (*University of Warsaw*)
Accesses to infinity from Fatou components
- 13:00** *lunch*
- 15:00 - 16:00** **Bogusława Karpińska** (*Warsaw University of Technology*)
Conformal measures for meromorphic maps
- 16:00** *coffee, tea*
- 19:00** *dinner*

Tuesday, 20 March

- 8:00 *breakfast*
- 9:00 - 10:00 **Anna Miriam Benini** (*Universitat de Barcelona*)
A landing theorem for entire transcendental functions
with bounded postsingular set
- 10:00 - 10:30 *coffee break*
- 10:30 - 11:30 **Vasiliki Evdoridou** (*IMPAN*)
Non-escaping endpoints of Cantor bouquet Julia sets
- 11:45 - 12:45 **Zhiqiang Li** (*Stony Brook University*)
Dynamical zeta functions and prime orbit theorems
in complex dynamics
- 13:00 *lunch*
- 15:00 - 16:00 **David Sixsmith** (*University of Liverpool*)
On simply-connected domains with connected preimage
- 16:00 *coffee, tea*
- 19:00 *dinner*

Wednesday, 21 March

- 8:00 *breakfast*
- 9:00 - 10:00 **Mitsuhiro Shishikura** (*Kyoto University*)
Jakobson's Theorem via Yoccoz puzzles
- 10:00 - 10:15 *coffee break*
- 10:15 - 11:15 **Scott Sutherland** (*Stony Brook University*)
On the Lebesgue Measure of the Feigenbaum Julia set
- 11:30 - 12:30 **Ludwik Jaksztas** (*Warsaw University of Technology*)
On the derivative of the Hausdorff dimension
of the quadratic Julia sets
- 12:45 *lunch*
- 13:30 *excursion to Rogalin*
- 19:00 *special dinner*

Thursday, 22 March

- 8:00 *breakfast*
- 9:00 - 10:00 **Hiroyuki Inou** (*Kyoto University*)
Inaccessibility of hyperbolic components
for anti-holomorphic dynamics
- 10:00 - 10:30 *coffee break*
- 10:30 - 11:30 **Sabyasachi Mukherjee** (*Stony Brook University*)
Dynamics of Schwarz reflections: mating polynomials with groups
- 11:45 - 12:45 **Thomas Gauthier** (*Université de Picardie Jules Verne*)
The support of the bifurcation measure has positive volume
- 13:00 *lunch*
coffee, tea
- 19:00 *dinner*

Friday, 23 March

- 8:00 *breakfast*
- 9:00 - 10:00 **Jordi Canela Sánchez** (*Université Paris-Est Marne-la-Vallée*)
Julia sets with a wandering branching point
- 10:00 - 10:30 *coffee break*
- 10:30 - 11:30 **Mohammad Pedramfar** (*Imperial College London*)
Complex Feigenbaum Phenomena of High Type
- 12:00 *lunch*
- 13:15 *bus to Poznań airport and railway station*