

複素力学系およびそのモジュライ等の関連分野の研究 (Complex dynamical systems and related topics)

Dates: December 12 (Mon) 10:15 – December 16 (Fri) 13:50, 2016
Place: Room 111 in RIMS, Kyoto University
Organizers: Yûsuke Okuyama (Kyoto Institute of Technology, chair)
Mitsuhiro Shishikura (Kyoto University)

PROGRAM

December 12 (Mon)

- 10:15 – 10:55 David Martí-Pete (The Open University)
 TBA
- 11:05 – 11:45 Kohei Ueno (Daido University)
 Bottcher coordinates for holomorphic skew products
- 13:20 – 14:00 Junghun Lee (Nagoya University)
 J-stability of expanding rational maps in non-Archimedean dynamics
- 14:10 – 15:00 Shunsuke Morosawa (Kochi University)
 The parameter space of $G_c = \langle z \mapsto z^2, z \mapsto (z - c)^2 + c \rangle$
- 15:20 – 16:10 Hiroki Sumi (Osaka University)
 Finding Roots of Any Polynomials by Random Relaxed Newton's Methods
- 16:20 – 17:00 Johannes Jaerisch (Shimane University)
 Multifractal analysis of the random iteration of rational maps on the Riemann sphere

December 13 (Tue)

- 9:30 – 10:30 Liang-Chung Hsia (National Taiwan Normal University)
 On Dynamical Unlikely Intersections (I)
- 10:45 – 11:45 Thomas Gauthier (Université de Picardie Jules Verne)
 Bifurcation currents and distribution of postcritically finite rational maps (I)
- 13:20 – 14:10 Yutaka Ishii (Kyushu University)
 Boundary of the horseshoe locus for the Hénon family
- 14:20 – 15:10 Shigehiro Ushiki (Kyoto University)
 Anti-conjugacy of complex dynamical systems and slices of Siegel Balls, Reinhardt domains and Hartogs domains
- 15:30 – 16:10 Takato Uehara (Saga University)
 On birational maps of complex surfaces
- 16:20 – 17:00 Tomoko Shinohara (Tokyo Metropolitan College of Industrial Technology)
 A set of indeterminate points of Newton's method of several variables

December 14 (Wed)

- 9:30 – 10:30 Thomas Gauthier (Université de Picardie Jules Verne)
Bifurcation currents and distribution of postcritically finite rational maps (II)
- 10:45 – 11:45 Liang-Chung Hsia (National Taiwan Normal University)
On Dynamical Unlikely Intersections (II)
- 13:20 – 14:00 Tomoki Kawahira (Tokyo Institute of Technology)
On the derivatives of degenerating holomorphic motions of hyperbolic quadratic Julia sets
- 14:10 – 14:50 Masashi Kisaka (Kyoto University)
Julia sets in the Mandelbrot set imply abundance of semihyperbolic dynamics
- 15:10 – 16:00 Atsushi Kameyama (Gifu University)
Combinatorics of Cantor Julia sets
- 16:10 – 17:00 Mitsuhiro Shishikura (Kyoto University)
Tropical limit of complex dynamical systems

December 15 (Thr)

- 9:30 – 10:30 Liang-Chung Hsia (National Taiwan Normal University)
On Dynamical Unlikely Intersections (III)
- 10:45 – 11:45 Thomas Gauthier (Université de Picardie Jules Verne)
Bifurcation currents and distribution of postcritically finite rational maps (III)
- 13:20 – 14:10 Yu Yasufuku (Nihon University)
Some Explicit Computations of Dynamical Galois Groups
- 14:20 – 15:10 Kaoru Sano (Kyoto University)
Arithmetic degrees and dynamical degrees of endomorphisms on surfaces
- 15:30 – 16:20 Kohei Kikuta (Osaka University)
Categorical entropy of Triangulated categories
- 16:30 – 17:00 Yūsuke Okuyama (Kyoto Institute of Technology)
TBA

December 16 (Fri)

- 9:40 – 10:30 Laurent Stolovich (Université de Nice Sophia-Antipolis)
Real submanifolds of maximum complex tangent space at a CR singular point
- 10:40 – 11:30 Masafumi Yoshino (Hiroshima University)
Singularity and monodromy of Hamiltonian system containing Emden-Fowler equation
- 11:40 – 12:30 Hiroyuki Inou (Kyoto University)
On accessibility of hyperbolic components for the tricorn

(以上)