Integrated Research on Complex Dynamics

Conference

The following conference is hosted by RIMS (Research Institute for Mathematical Sciences) of Kyoto University.

Organizer: Hiroki Sumi (Osaka University)

Date: January 23, 2012, 14:45- January 27, 2012, 12:15.

Place: No. 420 room, Research Institute for Mathematical Sciences, Kyoto University. Kitashirakawa-Oiwake cho, Sakyo-ku, Kyoto. (Kyoto city bus, "Kyodai-Nogakubumae" or "Kitashirakawa" bus stop)

Program

January 23	
14:45-15:45	Tomoko Shinohara (Tokyo Metropolitan College of Industrial Tech- nology) Indeterminancy sets of rational maps and dimension of the invariant sets
16:00-17:00	Volodymyr Nekrashevych (Texas A & M Univ.) Symbolic dynamics and self-similar groups
January 24	
9:45-10:45	Koh Katagata (National College of Tech.) Qualitative theory of differential equations and complex dynamics
11:00-12:00	Shunsuke Morosawa (Kochi Univ.) Residual Julia sets of Blaschke products
13:30-14:30	Mitsuhiro Shishikura (Kyoto Univ.) A proof of Jacobson's theorem by using the Yoccotz puzzle
14:45-15:45	Kohei Ueno (Toba National College of Maritime Technology) Dynamics and weights of polynomial skew products on \mathbb{C}^2
16:00-17:00	Yusuke Okuyama (Kyoto Institute of Tech.) The density problem on repelling periodic points of non-archimedean rational functions
January 25	
9:10-9:30	Hirokazu Shimauchi (Tohoku Univ.) On the coefficients of the Riemann mapping function for the exterior of the Mandelbrot set
9:45-10:45	Yasuaki Hiraoka (Kyushu Univ. IMI) Rational maps and maximum likelihood decodings

11:00-12:00	Takato Uehara (Tohoku Univ.) On rational surface automorphisms
13:30-14:30	Keiji Oguiso (Osaka Univ.) Quartic K3 surfaces and Cremona transformations - around a question of Professor Igor Dolgachev
14:45-15:45	Shigehiro Ushiki (Kyoto Univ. Human and Environmental Studies) Critical points and Julia sets for complex Hénon maps
16:00-17:00	Tetsuo Ueda (Kyoto Univ.) Semi-parabolic implosion in two complex variables
January 26	
9:45-10:45	Hiroyuki Inou (Kyoto Univ.) "Cut-open" rabbit in parameter spaces
11:00-12:00	Tomoki Kawahira (Nagoya Univ.) Riemann surface laminations generated by complex dynamical systems
13:30-14:30	Shizuo Nakane (Tokyo Polytechnic Univ.) On saddle basic sets for Axiom A polynomial skew products on \mathbb{C}^2
14:45–15:45	Taro Asuke (Univ. of Tokyo) Independence and non-triviality of rigid second complex characteristic classes
16:00-17:00	Teisuke Jin (Kyoto Institute of Tech.) Dynamics of Hénon map: Nevanlinna theory
January 27	
9:15-9:45	Shota Kojima (Rikkyo Univ.) Extreme values of infinite compositions of quadratic polynomials
10:00-11:00	Yasushi Yamashita (Nara Woman's Univ.) A computer experiment on primitive stable representations
11:15–12:15	Hiroki Sumi (Osaka Univ.) Stability, bifurcation and classification of minimal sets in random com- plex dynamics

For the newest version of the program, see the following webpage: $http://www.math.sci.osaka-u.ac.jp/\simsumi/cpxdyn11meetinge.html.$

If you would like to participate in the party (January 25, evening), please send an e-mail with your name, affiliation, and e-mail address, to Hiroki Sumi: sumi(AT) math.sci.osaka-u.ac.jp. Date: January 17, 2012.