



Second Palis-Balzan International Symposium on Dynamical Systems

Institut Henri Poincaré, Paris, France

June 10th to 14th, 2013

CERTIFICATE

We hereby certify that, **Alejandro Kocsard**, **Universidade Federal Fluminense**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Livsic theorem for diffeomorphism cocycles**.

Paris, June 14, 2013.

Jacob Palis
Organizing Committee



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We hereby certify that, **Andres Koropec***ki*, **Universidade Federal Fluminense**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Strictly toral dynamics**.

Paris, June 14, 2013.

Jacob Palis
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We hereby certify that, **Andy Hammerlindl, University of Sydney**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Ergodicity and Classification of Partially Hyperbolic Systems.**

Paris, June 14, 2013.

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We hereby certify that, **Anton Zorich, Universite de Rennes 1**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Right-angled billiards and volumes of moduli spaces in genus zero.**

Paris, June 14, 2013.

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We hereby certify that, **Artur Avila, Univ. Pierre et Marie Curie**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **The Billiard on the regular polygon.**

Paris, June 14, 2013.

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We hereby certify that, **Buzzi, Jerome, Paris XI - Orsay**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Diffeomorphisms without measures of maximal entropy.**

Paris, June 14, 2013.

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We hereby certify that, **Carlos Gustavo Tamm de Araujo Moreira**, Instituto de Matematica Pura e Aplicada, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Dynamical Markov and Lagrange Spectra and Geodesic Flows.**

Paris, June 14, 2013.

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We hereby certify that, **Carlos Matheus Silva Santos**, Collège de France, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Finiteness of algebraically primitive closed $SL(2, \mathbb{R})$ -orbits in moduli spaces.**

Paris, June 14, 2013.

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We hereby certify that, **Christian Bonatti**, Institut de Mathématiques de Bourgogne - Dijon, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Pesin theory for C1-dynamics: a story of domination.**

Paris, June 14, 2013.

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We hereby certify that, **Enrique Ramiro Pujals**, **Instituto de Matematica Pura e Aplicada**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Minimality or density of periodic points for transitive attractors..**

Paris, June 14, 2013.

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We hereby certify that, **Lorenzo J. Diaz**, **Pontifícia Universidade Católica do Rio de Janeiro**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Flip-flops in a blender. Robust existence of non-hyperbolic ergodic measures.**

Paris, June 14, 2013.

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We hereby certify that, **Marcelo M. Viana**, Instituto de Matematica Pura e Aplicada, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Partially hyperbolic maps with 2-dimensional center.**

Paris, June 14, 2013.

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We hereby certify that, **Marco Martens**, **State University of New York at Stony Brook**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Generalized Henon Renormalization**.

Paris, June 14, 2013.

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We hereby certify that, ***Maria Alejandra Rodriguez Hertz***, **Facultad de Ingenieria y Agrimensura**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Partial hyperbolicity in dimension 3.**

Paris, June 14, 2013.

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We hereby certify that, ***Maria José Pacífico***, **Universidade Federal do Rio de Janeiro**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **On measure expansive diffeomorphisms.**

Paris, June 14, 2013.

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We hereby certify that, **Martín Sambarino**, **Centro Matemática - Universidad de la Republica**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Dynamical coherence for partially hyperbolic diffeomorphisms isotopic to Anosov.**

Paris, June 14, 2013.

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We hereby certify that, **Mikhail Lyubich**, **State University of New York at Stony Brook**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Dynamics of dissipative polynomial automorphisms of \mathbb{C}^2** .

Paris, June 14, 2013.

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We hereby certify that, **Nicolas Gourmelon, Université de Bordeaux**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Lyapunov exponents along periodic orbits for \mathbb{C}^r generic dynamics.**

Paris, June 14, 2013.

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We hereby certify that, **Pablo Guarino**, **Instituto de Matemática e Estatística**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Geometric rigidity of critical circle maps**.

Paris, June 14, 2013.

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We hereby certify that, ***Paulo Rogério Souza Brandão***, **IMPA - Pós-Doutorando**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **On the Finiteness of Attractors for Maps of the Interval Allowing Discontinuities.**

Paris, June 14, 2013.

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We hereby certify that, **Pierre Berger**, **Université Paris XIII**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Two results around the positive metric entropy conjecture for the standard map.**

Paris, June 14, 2013.

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We hereby certify that, **Rafael Potrie**, **Centro Matemática - Universidad de la Republica**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Geometric properties of partially hyperbolic attractors.**

Paris, June 14, 2013.

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We hereby certify that, **Renaud Leplaideur, Univ. Brest**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **SRB measures for Almost Axiom-A diffeomorphisms. End of the story..**

Paris, June 14, 2013.

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We hereby certify that, **Sebastian Van Strien**, Imperial College London, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Stochastic stability of expanding circle maps with neutral axed point.**

Paris, June 14, 2013.

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We hereby certify that, **Sébastien Alvarez**, Institut de Mathématiques de Bourgogne - Dijon, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Ergodic study of some foliations.**

Paris, June 14, 2013.

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We hereby certify that, **Sheldon Newhouse**, **Michigan State University**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **A partial linearization theorem for three dimensional vector fields and applications.**

Paris, June 14, 2013.

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We hereby certify that, **Shi Yi**, Institut de Mathematiques de Bourgogne - Dijon, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Hyperbolic Dynamics on Heisenberg Nilmanifolds**.

Paris, June 14, 2013.

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We hereby certify that, **Sylvain Crovisier**, Paris XI - Orsay, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Horseshoes with large entropy**.

Paris, June 14, 2013.

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We hereby certify that, **Vincent Delecroix**, Paris VII - Université Denis Diderot, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Wind-tree models**.

Paris, June 14, 2013.

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We hereby certify that, **Wellington de Melo, Instituto de Matematica Pura e Aplicada**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Rigidity of Critical Circle maps.**

Paris, June 14, 2013.

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We hereby certify that, **Yang Jiagang, Universidade Federal Fluminense**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Dynamical behavior of ergodic measure along weak direction.**

Paris, June 14, 2013.

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We hereby certify that, **Yuri Gomes Lima, Weizmann Institute of Science**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 10 to 14, 2013 and presented the following work: **Ergodicity of skew products over shifts of finite type.**

Paris, June 14, 2013.

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