



Third Palis-Balzan International Symposium on Dynamical Systems

Institut Henri Poincaré, Paris, France

June 14th to 20th, 2015

CERTIFICATE

We hereby certify that, **Anne Marie Wilkinson**, **Northwestern University**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **Mixing properties of the Weil-Petersson geodesic flow.**

Paris, June 20, 2015.

A handwritten signature in black ink, which appears to read "Jacob Palis".

Jacob Palis
Organizing Committee

Partially supported by the Balzan Research Project of J.Palis.



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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 14 to 20, 2015 and presented the following work: **Continuity of Lyapunov exponents for random matrix products.**

Paris, June 20, 2015.

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We hereby certify that, **Carlos Gustavo Tamm de Araujo Moreira**, Instituto Nacional de Matemática Pura e Aplicada, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **On the fractal geometry of horseshoes in arbitrary dimensions.**

Paris, June 20, 2015.

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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 14 to 20, 2015 and presented the following work: **Singular hyperbolicity and star flows.**

Paris, June 20, 2015.

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We hereby certify that, ***Damien Thomine***, Paris XI - Orsay, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **Potential kernel, hitting probabilities and limit theorems for Abelian extensions of periodic dynamical systems.**

Paris, June 20, 2015.

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We hereby certify that, **Elise Goujard, Max Planck Institut Für Mathematik**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **Counting closed geodesics on flat surfaces.**

Paris, June 20, 2015.

A handwritten signature in black ink, which appears to read 'Jacob Palis', is written over a white background.

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We hereby certify that, ***Enrique Ramiro Pujals***, Instituto Nacional de Matemática Pura e Aplicada, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **On a conjecture of Charles Tresser about surfaces diffeomorphisms in the boundary of chaos.**

Paris, June 20, 2015.

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We hereby certify that, **Federico 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 14 to 20, 2015 and presented the following work: **Random Dynamics and a formula for Furstenberg, Kullback-Ledrappier Entropy.**

Paris, June 20, 2015.

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We hereby certify that, **Gonzalo Contreras**, **Centro de Investigacion en Matematicas**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **The C2 Mañé's Conjecture on Surfaces**.

Paris, June 20, 2015.

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We hereby certify that, **Jairo da Silva Bochi, PUC de Chile - Santiago**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **Ergodic optimization and prevalence**.

Paris, June 20, 2015.

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We hereby certify that, **James Tanis, Collège de France**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **Effective equidistribution of horocycle maps.**

Paris, June 20, 2015.

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We hereby certify that, **Juan Rivera-Letelier**, **Universidade Catolica do Norte - Antofagasta**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **Sensitive dependence of geometric Gibbs measures of one-dimensional maps.**

Paris, June 20, 2015.

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We hereby certify that, **Lan Wen, Peking University**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **The problem of characterizing structural stability revisited.**

Paris, June 20, 2015.

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We hereby certify that, **Liviana Palmisano**, Institute of Mathematics, Polish Academy of Sciences, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **On circle maps with a flat interval and Cherry flows.**

Paris, June 20, 2015.

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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 14 to 20, 2015 and presented the following work: **The entropy spectrum of Lyapunov exponents in non-hyperbolic skew-products.**

Paris, June 20, 2015.

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We hereby certify that, **Lucas Henrique Backes**, **Universidade do Estado do Rio de Janeiro**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **Continuity of Lyapunov Exponents for Fiber-Bunched Cocycles.**

Paris, June 20, 2015.

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We hereby certify that, **Marcelo M. Viana**, Instituto Nacional de Matemática Pura e Aplicada, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **Cr-density of hyperbolicity (non-uniform) among partially hyperbolic diffeomorphisms.**

Paris, June 20, 2015.

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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 14 to 20, 2015 and presented the following work: **On selected problems in Holomorphic Dynamics**.

Paris, June 20, 2015.

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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 14 to 20, 2015 and presented the following work: **Attracting circloids and entropy**.

Paris, June 20, 2015.

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We hereby certify that, **Masato Tsujii**, **Kyushu University**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **On the error term of the Prime Orbit Theorem for expanding semi-flows.**

Paris, June 20, 2015.

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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 14 to 20, 2015 and presented the following work: **On selected problems in Holomorphic Dynamics.**

Paris, June 20, 2015.

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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 14 to 20, 2015 and presented the following work: **The classification problem for partially hyperbolic diffeomorphisms.**

Paris, June 20, 2015.

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We hereby certify that, **Ricardo Turolla Bortolotti**, **Universidade Federal de Pernambuco**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **Physical measures for certain partially hyperbolic attractors on 3-manifolds.**

Paris, June 20, 2015.

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We hereby certify that, **Sergio Augusto Romaña Ibarra**, **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 14 to 20, 2015 and presented the following work: **On the Lagrange and Markov Dynamical Spectra for Flows and Geodesic Flows.**

Paris, June 20, 2015.

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We hereby certify that, **Vadim Kaloshin, University of Maryland**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **Stochastic Arnold diffusion of deterministic systems.**

Paris, June 20, 2015.

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We hereby certify that, **Vilton Pinheiro**, **Universidade Federal da Bahia**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **Finiteness of attractors for piecewise C^2 maps of the interval.**

Paris, June 20, 2015.

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We hereby certify that, **Weixiao Shen, National University of Singapore**, participated in the Second Palis-Balzan International Symposium on Dynamical Systems, held at Institut Henri Poincaré, Paris, from June 14 to 20, 2015 and presented the following work: **Hausdorff dimension of the graphs of the classical Weierstrass functions.**

Paris, June 20, 2015.

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