



Workshop on Low Dimensional Dynamics

We hereby certify that, **Alejandro Kocsard, Universidade Federal Fluminense**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **Livsic theorem for cocycles with values in diffeomorphism groups..**

Rio de Janeiro, November 22, 2013.

Vilton Pinheiro
Organizing Committee

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We hereby certify that, **Andrés Navas**, **Universidad de Santiago de Chile**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **On ergodic type properties for codimension-1 foliations..**

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Artur Avila, Univ. Pierre et Marie Curie**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **TBA**.

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Carlos Gustavo Tamm de Araujo Moreira**, Instituto de Matematica Pura e Aplicada, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **On the Markov and Lagrange spectra and their dynamical generalizations.**

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Daniel Smania Brandao, Inst. Ciên. Matemática e Comp. de São Carlos**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **On the renormalization operator for multimodal maps..**

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Davoud Cheraghi, Imperial College London**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **Satellite renormalization of complex quadratic polynomials.**

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Edson de Faria, Instituto de Matemática e Estatística**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **On Sloane's persistence problem.**

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Enrique Ramiro Pujals**, Instituto de Matematica Pura e Aplicada, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **Boundary of chaos for dissipative annulus twist map.**

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Jeroen Lamb**, **Imperial College London**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **Additive noise does not destroy a pitchfork bifurcation.**

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Juan Rivera-Letelier, PUC de Chile - Santiago**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **Divergence of geometric equilibrium states at zero temperature.**

Rio de Janeiro, November 22, 2013.

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We hereby certify that, **Kleyber Mota da Cunha**, **Universidade Federal da Bahia**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **Renormalization for some piecewise smooth homeomorphisms of the circle.**

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Maik Groeger, Tu Dresden**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **An entropy-like notion for low-complexity systems..**

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Pablo Guarino, Instituto de Matemática e Estatística**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **Rigidity of smooth critical circle maps..**

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Paulo Rogerio Souza Brandão**, IMPA - Pós-Doutorando, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **On the Structure of Attractors of Contracting Lorenz Maps.**

Rio de Janeiro, November 22, 2013.

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We hereby certify that, **Sebastian Van Strien**, **Imperial College London**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **Quasi-symmetric rigidity of interval maps (Part I, II)**.

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Sofia Trejo, University of Warwick**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **A unified proof of complex bounds for multimodal maps..**

Rio de Janeiro, November 22, 2013.



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We hereby certify that, **Vilton Pinheiro**, **Universidade Federal da Bahia**, participated in the Workshop on Low-Dimensional Dynamics, held at IMPA - Rio de Janeiro, from November 17 to 22, 2013 and presented the following work: **Finiteness of Attractors for One-Dimensional Maps**.

Rio de Janeiro, November 22, 2013.



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