

3rd Indo-Brazilian

IMPA, Rio de Janeiro, Brazil
August 13th to 17th, 2012

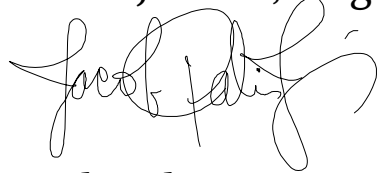
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CERTIFICATE

We certify that **Aryampilly Jayanthan Parameswaran** - Tata Institute of Fundamental Research participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: **“Picard bundles and Brill-Noether loci in the compactified jacobian of a nodal curve”**

Rio de Janeiro, August 17, 2012.



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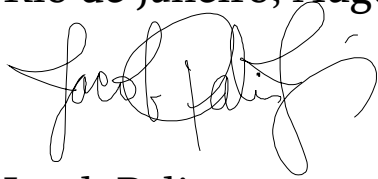
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We certify that **Augusto Quadros Teixeira** - Instituto de Matematica Pura e Aplicada participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “Cylinders' percolation in three dimensions”

Rio de Janeiro, August 17, 2012.



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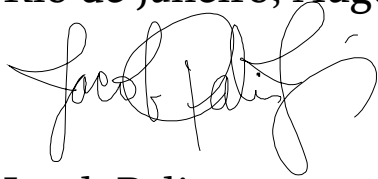
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We certify that **Amites Dasgupta** - Indian Statistical Institute, Calcutta participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: **“Random walk in iid random environment on free groups”**

Rio de Janeiro, August 17, 2012.



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We certify that **Carlos Tomei** - Pontificia Universidade Católica do Rio de Janeiro participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “**The strange topology of the discretization of some standard differential operators**”

Rio de Janeiro, August 17, 2012.



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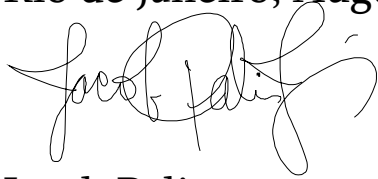
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We certify that **Debashish Goswami** - Indian Statistical Institute, Calcutta participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “**Quantum isometry groups**”

Rio de Janeiro, August 17, 2012.



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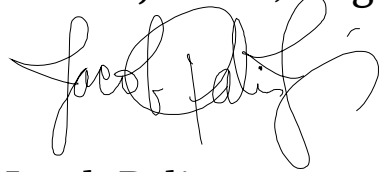
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We certify that **Felipe Linares - Instituto de Matematica Pura e Aplicada** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “On Uniqueness Properties of Solutions to the Benjamin-Ono Equation”

Rio de Janeiro, August 17, 2012.



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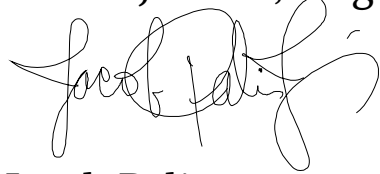
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We certify that **Fernando Codá dos Santos Cavalcanti Marques** - Instituto de Matematica Pura e Aplicada participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: **“Min-max methods, Wilmore conjecture and the energy of links”**

Rio de Janeiro, August 17, 2012.



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We certify that **Jorge Vitório Bacellar dos Santos Pereira** - Instituto de Matematica Pura e Aplicada participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: **“Singular foliations with trivial canonical class”**

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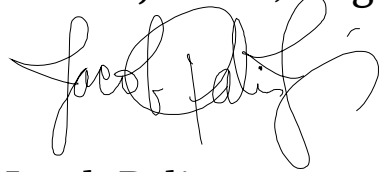
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We certify that **Jugal Verma** - Indian Institute of Technology Bombay participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “**Local Cohomology of bigraded Rees algebras and normal Hilbert polynomials**”

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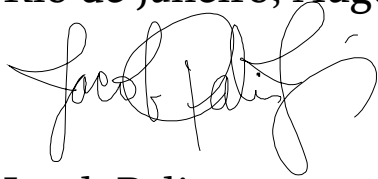
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mathematics

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We certify that Kalyan B. Sinha - J. N. Centre for Advanced Scientific Research, Bangalore participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: "Higher Order Trace Formulas"

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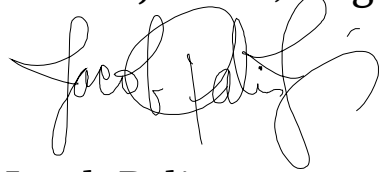
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We certify that **Koushik Saha** - Indian Institute of Science, Bagalore participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: **“Patterned random matrices, moment method and joint convergence”**

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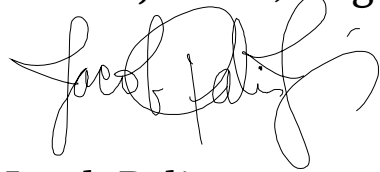
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We certify that **Kunnath Sandeep - Tata Institute of Fundamental Research** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “Hardy-Sobolev-Maz'ya inequalities, hyperbolic symmetry and related problems”

Rio de Janeiro, August 17, 2012.



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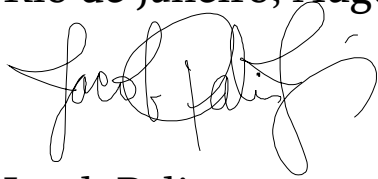
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We certify that **Maddaly Krishna - Institute of Mathematical Sciences** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: **“Szego type theorem on the lattice”**

Rio de Janeiro, August 17, 2012.



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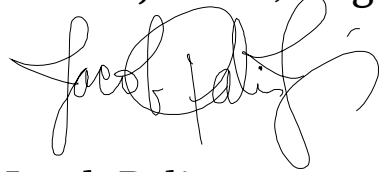
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We certify that **Manjunath Krishnapur** - Indian Institute of Science, Bagalore participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “Nodal length of random eigenfunctions of the Laplacian on the 2-d torus”

Rio de Janeiro, August 17, 2012.



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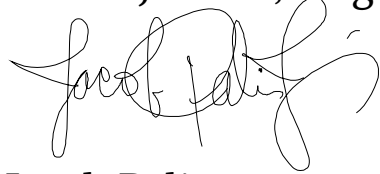
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We certify that **Miguel Natalio Abadi - Instituto de Matemática e Estatística** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “**Fundamental Theorems for Poincaré complexity via recurrence**”

Rio de Janeiro, August 17, 2012.



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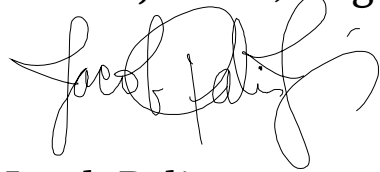
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We certify that **Paolo Piccione - Instituto de Matemática e Estatística** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “Several interesting variational problems admit a large group of symmetries”

Rio de Janeiro, August 17, 2012.



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We certify that **Paulo Domingos Cordaro** - Instituto de Matemática e Estatística participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: **“Strong unique continuation for systems of complex vector fields”**

Rio de Janeiro, August 17, 2012.



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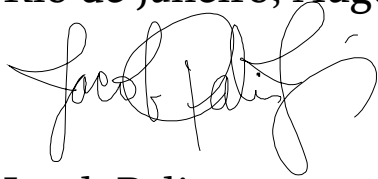
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We certify that **Rahul Roy - Indian Statistical Institute, Delhi Centre** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: **“Directed spanning trees and the Brownian web”**

Rio de Janeiro, August 17, 2012.



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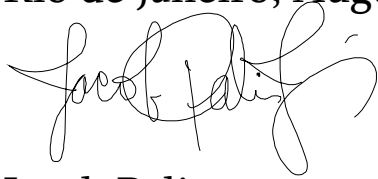
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We certify that **Riddhi Shah - Jawaharlal Nehru University** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “**Embeddability of infinitely divisible measures on Lie groups**”

Rio de Janeiro, August 17, 2012.



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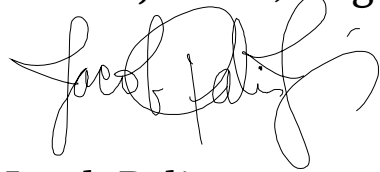
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We certify that **Roberto Imbuzeiro Moraes Felinto de Oliveira** - Instituto de Matematica Pura e Aplicada participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “**Late points for random walks, and the fluctuations of cover times**”

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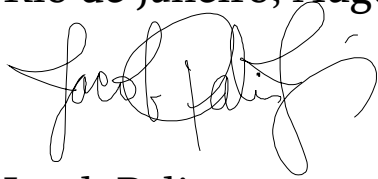
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We certify that **Saugata Bandyopadhyay** - Indian Institute of Science Education and Research **Kolkata** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “On the Darboux Theorem”

Rio de Janeiro, August 17, 2012.



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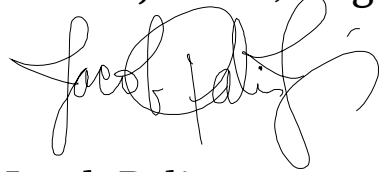
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mathematics

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We certify that **Shrikrishna G. Dani** - Tata Institute of Fundamental Research participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “Studying values of binary quadratic forms through dynamics”

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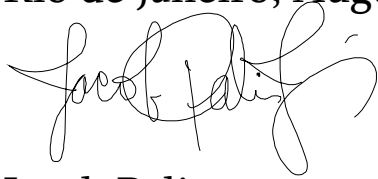
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mathematics

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We certify that **Vijaylaxmi Trivedi - Tata Institute of Fundamental Research** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: **“Hilbert-Kunz multiplicity and Hilbert-Kunz slope”**

Rio de Janeiro, August 17, 2012.



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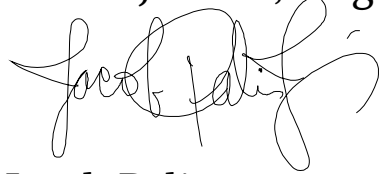
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We certify that **Vikraman Balaji - Chennai Mathematical Institute** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: “On holonomy and restriction theorems for stable bundles on projective varieties.”

Rio de Janeiro, August 17, 2012.



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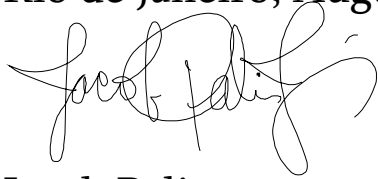
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We certify that **Vilton Pinheiro - Universidade Federal da Bahia** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: **“Measures with historic behavior”**

Rio de Janeiro, August 17, 2012.



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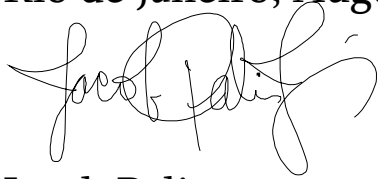
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We certify that **Vítor Araújo - Universidade Federal da Bahia** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: **“Robust Exponential Decay of Correlations for Singular-Flows”**

Rio de Janeiro, August 17, 2012.



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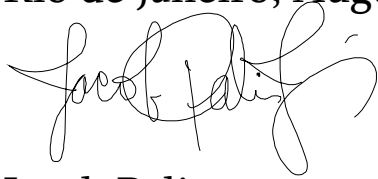
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We certify that **Welington de Melo - Instituto de Matematica Pura e Aplicada** participated in the 3rd Indo-Brazilian Symposium in Mathematics, held at IMPA, Rio de Janeiro from August 13 to 17, 2012 and presented the following work: **“Rigidity in low dimensional dynamics”**

Rio de Janeiro, August 17, 2012.



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