



We certify that **Alexandre Grichkov – Instituto de Matemática e Estatística** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Combinatória dos grupos de Coxter e as álgebras correspondentes**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Adriana Neumann de Oliveira – Universidade Federal do Rio Grande do Sul** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Dynamical phase transition of the slowed symmetric exclusion process**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Alan Weinstein – University of California at Berkeley** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Microlocal analysis over the Maslov cycle**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Artur Avila – Univ. Pierre et Marie Curie** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**On conservative dynamics with positive entropy**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Béla Bollobas – University of Cambridge** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**The Time of Bootstrap Percolation**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Celso Melchiades Doria – Universidade Federal de Santa Catarina** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**On a Floer Homology set up for the Seiberg-Witten equations in 4D**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Luis Angel Caffarelli – The University of Texas at Austin** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Some problems in geometric homogenization**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Claire Voisin – Institut Mathématique de Jussieu** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Unramified cohomology and integral Hodge classes**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee





We certify that **Eduardo Vasconcelos Oliveira Teixeira – Universidade Federal do Ceará** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Geometric elliptic regularity theory**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Enrique Ramiro Pujals – Instituto de Matematica Pura e Aplicada** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: **“Generic dynamics: A phenomenon/mechanism correspondence”**

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Eric Stark Maskin – Insitute for Advanced Study** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Evolution and Repeated Games**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Ernani de Sousa Ribeiro Júnior – Universidade Federal do Ceará** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Uniqueness of Quasi-Einstein Metrics on 3-Dimensional Homogeneous Riemannian Manifold**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Fernando Codá dos Santos Cavalcanti Marques – Instituto de Matemática Pura e Aplicada** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: **“The Willmore conjecture and minimal surfaces”**

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **George Papanicolaou – Stanford University** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Systemic Risk**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Henrique Bursztyn – Instituto de Matematica Pura e Aplicada** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Symplectic geometry in degree 2**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Jefferson Abrantes dos Santos – Universidade Federal de Campina Grande** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Strongly Nonlinear Multivalued Elliptic Equations on a Bounded Domain**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee





We certify that **Jorge Vitório Bacellar dos Santos Pereira – Instituto de Matematica Pura e Aplicada** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Foliations with trivial Chern classes**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Masao Fukushima – Kyoto University** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Generalized Nash Equilibrium Problems**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Richard Schoen – Stanford University** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: **“Existence and geometric structure of metrics on surfaces which extremize eigenvalues”**

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Ronaldo Antonio dos Santos – IMECC** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**Combustion in a porous medium with two layers: The Cauchy problem**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Smale Steve – University of California at Berkeley** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: **“Immunology and Protein Folding”**

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee



We certify that **Victor Kac – Massachusetts Institute of Technology** participated in the “IMPA 60 anos”, held at IMPA, Rio de Janeiro from October 8<sup>th</sup> to 11<sup>th</sup>, 2012 and presented the following work: “**What is a non-local Poisson bracket?**”

Rio de Janeiro, October 11, 2012.

Marcelo Viana

Organizing Committee