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# CERTIFICATE



## International Conference in Number Theory and Physics

IMPA, Rio de Janeiro, Brazil  
June 15-26, 2015

We hereby certify that, ***Alan Miguel Velasquez Toribio***, **Universidade Federal do Espírito Santo**, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: **“Cosmology and quantum field theory: Dark energy”**

Rio de Janeiro, June 26, 2015.

Hossein Movasati

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## International Conference in Number Theory and Physics

IMPA, Rio de Janeiro, Brazil  
June 15-26, 2015

We hereby certify that, **Bander Almutairi, King Saud University**, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: **“Constructing all Irreducible Supercuspidal Representations of  $U(F/F_0)(1,1)$ ”**

Rio de Janeiro, June 26, 2015.

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## International Conference in Number Theory and Physics

IMPA, Rio de Janeiro, Brazil  
June 15-26, 2015

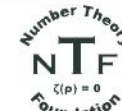
We hereby certify that, **Bogdan Stoica, California Institute of Technology**, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: **“Tomography from entanglement and holographic entropy inequalities in the large N limit”**

Rio de Janeiro, June 26, 2015.

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## International Conference in Number Theory and Physics

IMPA, Rio de Janeiro, Brazil  
June 15-26, 2015

We hereby certify that, ***Daiane Soares Veras***, **Universidade de Brasilia**, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: “**Bases aditivas para os inteiros**”

Rio de Janeiro, June 26, 2015.

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## International Conference in Number Theory and Physics

IMPA, Rio de Janeiro, Brazil  
June 15-26, 2015

We hereby certify that, ***Emanuel Guariglia***, **E. R. Caianiello** - **University of Salerno**, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: **“Fractional derivative of Riemann Zeta Function: series expansions, Fourier Transform and generalizations”**

Rio de Janeiro, June 26, 2015.

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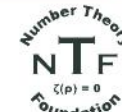
We hereby certify that, **Fahd Alshammari**, **King Saud University**, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: **“On the construction of infinite families of elliptic curves with high rank and a point of order 5”**

Rio de Janeiro, June 26, 2015.

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## International Conference in Number Theory and Physics

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We hereby certify that, **Jonny Fernando Barreto Castañeda**, Centro de Investigacion y Estudios Avanzados del Ipn, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: **“Study of non-singular solutions of an Homogeneous Systems of Equations with coefficients in a finite field”**

Rio de Janeiro, June 26, 2015.

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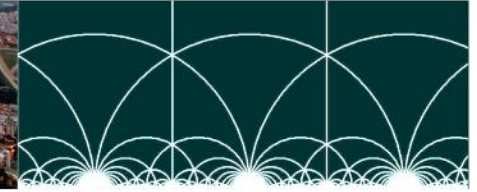
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## International Conference in Number Theory and Physics

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June 15-26, 2015

We hereby certify that, **Juan Guillermo Dueñas**, **Centro Brasileiro de Pesquisas Físicas**, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: “**Thermodynamics of the Bosonic Randomized Riemann Gas**”

Rio de Janeiro, June 26, 2015.

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## International Conference in Number Theory and Physics

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June 15-26, 2015

We hereby certify that, **Lohans de Oliveira Miranda**, Universidade Federal do Piauí, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: “**Law of the lever and the equilibrium of magic hypercubes**”

Rio de Janeiro, June 26, 2015.

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## International Conference in Number Theory and Physics

IMPA, Rio de Janeiro, Brazil  
June 15-26, 2015

We hereby certify that, ***Lossian Barbosa Bacelar Miranda***, Instituto Federal de Educação Ciência e Tecnologia do Piauí, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: “**Law of the lever and the equilibrium of magic hypercubes**”

Rio de Janeiro, June 26, 2015.

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## International Conference in Number Theory and Physics

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We hereby certify that, **Lucimeire Alves de Carvalho**, Pontifícia Universidade Católica de Goiás, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: “**Bases aditivas para os inteiros**”

Rio de Janeiro, June 26, 2015.

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## International Conference in Number Theory and Physics

IMPA, Rio de Janeiro, Brazil  
June 15-26, 2015

We hereby certify that, **Maria Lewtchuk Espindola**, Universidade Federal da Paraíba - João Pessoa, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: **“Hamiltonização Direta - Uma Generalização da Hamitonização ALternativa”**

Rio de Janeiro, June 26, 2015.

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We hereby certify that, **Percy Caceres Tintaya**, **Pontifícia Universidade Católica do Rio de Janeiro**, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: “**Riemann Hilbert Problem for the Riemann Zeta function**”

Rio de Janeiro, June 26, 2015.

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## International Conference in Number Theory and Physics

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June 15-26, 2015

We hereby certify that, **Sebastián Herrero Miranda**, PUC de Chile - Santiago, participated in the International Conference in Number Theory and Physics, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from June 15 to 26, 2015 and presented the following work: **“A converse theorem for Jacobi-Maass forms and applications.”**

Rio de Janeiro, June 26, 2015.

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