

IMPA, Rio de Janeiro, Brazil  
August 24-28, 2015

2<sup>nd</sup> Workshop on  
**Combinatorics,  
Number Theory  
& Dynamical Systems**

We hereby certify that, **Alan Anderson da Silva Pereira**, Universidade Federal de **Alagoas**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

Rio de Janeiro, August 28, 2015.



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We hereby certify that, ***Alan Miguel Velasquez Toribio***, Universidade Federal do Espírito Santo, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Alex Zamudio**, Instituto Nacional de Matemática Pura e Aplicada, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Andres Mauricio Lopez Barragan**, Universidade Federal Fluminense, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, ***Aquiles Braga de Queiroz***, Universidade Federal Rural do Rio de Janeiro, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Arek Goetz, San Francisco State University**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Bander Almutairi**, King Saud University, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Carlos Bocker Neto**, Universidade Federal da Paraíba - João Pessoa, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 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 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Carlos Matheus Silva Santos**, Collège de France, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Christian Mauduit, Universite Aix-Marseille**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, ***Cristina Lizana Araneda***, **Universidad de Los Andes- Venezuela**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, ***Daniel Aguilar Alvarez***, Instituto Nacional de Matemática Pura e Aplicada, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, ***Davi dos Santos Lima***, Instituto Nacional de Matemática Pura e Aplicada, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, ***Elaine Ferreira Rocha***, **Universidade Federal da Bahia**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Felipe Garcia Ramos Aguilar**, Instituto de Matemática e Estatística, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Felipe Maia Barbosa**, Universidade do Estado do Rio de Janeiro, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, ***Fernando Nera Lenarduzzi***, Instituto Nacional de Matemática Pura e Aplicada, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, ***Gabriel Gomes Figueiredo***, Universidade Federal Fluminense, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Jailson Calado da Silva**, Universidade Federal do Maranhão, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Jakub Byszewski**, Jagellonian University, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Jeovanny de Jesus Muentes Acevedo**, Instituto de Matemática e Estatística, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **João Pedro Gonçalves Ramos**, Instituto Nacional de Matemática Pura e Aplicada, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, ***Johnny Nazareth dos Santos***, Universidade do Estado do Rio de Janeiro, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Juan David Rojas Gacha**, Instituto Nacional de Matemática Pura e Aplicada, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Leandro Torres Di Gregorio**, Universidade Federal do Rio de Janeiro, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Lucas Henrique Backes**, Universidade do Estado do Rio de Janeiro, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Manfred Denker**, **Pennsylvania State University**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Manuel Stadlbauer**, **Universidade Federal do Rio de Janeiro**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, ***Maria João Resende***, **Universidade Federal Fluminense**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Mauricio José Poletti Merlo**, Instituto Nacional de Matemática Pura e Aplicada, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Milton Edwin Cobo Cortez**, Universidade Federal do Espírito Santo, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Naylana dos Reis Santiago**, Universidade do Estado do Rio de Janeiro, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Nikolay Abrosimov, Sobolev Institute of Mathematics**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, ***Nilson da Costa Bernardes Junior***, Universidade Federal do Rio de Janeiro, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Oscar Emilio Quesada Herrera**, Instituto Nacional de Matemática Pura e Aplicada, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Oscar Zamora Luna**, **Universidad de Costa Rica**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Paulo Rogerio Souza Brandão**, IMPA - Pós-Doutorando, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Renan Henrique Finder**, Instituto Nacional de Matemática Pura e Aplicada, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Samuel Barbosa Feitosa**, Universidade Federal da Bahia, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Samuel Senti**, **Universidade Federal do Rio de Janeiro**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Wagner Ranter Gouveia da Silva**, Instituto Nacional de Matemática Pura e Aplicada, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, ***Xuan Zhang***, **Universidade Federal do Rio de Janeiro**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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We hereby certify that, **Yuri Gomes Lima, Université Paris XI - Orsay**, participated in the 2<sup>nd</sup> Workshop on Combinatorics, Number Theory and Dynamical Systems, held at Instituto Nacional de Matemática Pura e Aplicada - IMPA – Rio de Janeiro, from August 24 to 28, 2015.

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