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IV Iberoamerican Meeting on Geometry, Mechanics and Control

celebrating Jair Koiller's 65th birthday

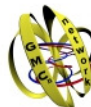
IMPA, Rio de Janeiro, Brazil
April 7th to 11th, 2014

We hereby certify that, **Alberto Tacchella**, Inst. de Ciências Matemáticas e de Computação, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**The Noncommutative geometry of the phase space of the the Gibbons-Hermsen system**”.

Rio de Janeiro, April 11, 2014.

Henrique Bursztyn
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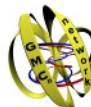
IMPA, Rio de Janeiro, Brazil
April 7th to 11th, 2014

We hereby certify that, **Alexis Arnaudon, Imperial College London**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Toward a general class of integrable G-Strands**”.

Rio de Janeiro, April 11, 2014.

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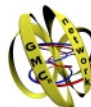
April 7th to 11th, 2014

We hereby certify that, **Allyson dos Santos Oliveira, Universidade Federal de Sergipe**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Symmetry, bifurcation and stacking of the central configurations of the planar 1 + 4 body problem**”.

Rio de Janeiro, April 11, 2014.

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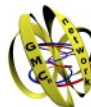
IMPA, Rio de Janeiro, Brazil
April 7th to 11th, 2014

We hereby certify that, **Antonio Carlos Fernandes**, **Universidade Federal de Itajubá**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Rigidity of Planar Central Configurations**”.

Rio de Janeiro, April 11, 2014.

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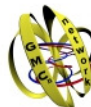
IMPA, Rio de Janeiro, Brazil
April 7th to 11th, 2014

We hereby certify that, **Breno Raphaldini Ferreira da Silva, USP - Instituto Astronômico e Geofísico**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Equations For Nearly Geostrophic Flows In Rotating MHD**”.

Rio de Janeiro, April 11, 2014.

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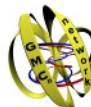
IMPA, Rio de Janeiro, Brazil
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We hereby certify that, **Dmitry Pavlov, Imperial College London**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**A matrix-based framework to structure-preserving discretization of continuum theories**”.

Rio de Janeiro, April 11, 2014.

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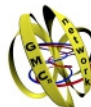
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We hereby certify that, **Eber Chuno**, **Inst. de Ciências Matemáticas e de Computação**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**The finite non-periodic Toda lattice**”.

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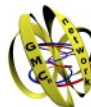
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We hereby certify that, **Germán Zorba, Universidad Nac. de la Plata**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Existence of crossing and impasse solutions of Implicit Defferential Equations**”.

Rio de Janeiro, April 11, 2014.

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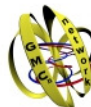
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We hereby certify that, **Gersonilo Oliveira da Silva**, **Universidade Federal Rural de Pernambuco**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Instability and bifurcation in a problem of the $n+1$ body**”.

Rio de Janeiro, April 11, 2014.

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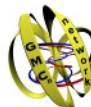
IMPA, Rio de Janeiro, Brazil
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We hereby certify that, **Leandro Salomone, Universidad Nac. de la Plata**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Lyapunov constraints and stabilization of bidimensional systems**”.

Rio de Janeiro, April 11, 2014.

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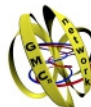
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We hereby certify that, **Leandro Sena Cabral de Olivera, Universidade Federal de Pernambuco**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Linear Hamiltonian Systems**”.

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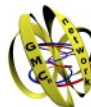
IMPA, Rio de Janeiro, Brazil
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We hereby certify that, **Leonardo Lopes Abath**, **Universidade Federal de Pernambuco**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Algebraic Topology in The Analysis of Electrical Circuits**”.

Rio de Janeiro, April 11, 2014.

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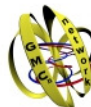
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We hereby certify that, **Lucas Rezende Valeriano**, **Universidade Federal de Sergipe**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Estabilidade em um problema restrito dos quatro corpos**”.

Rio de Janeiro, April 11, 2014.

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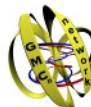
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We hereby certify that, **Maite Kulesza, Universidade Federal Rural de Pernambuco**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: **“THE 3-DIMENSIONAL CORED AND LOGARITHM POTENTIALS: PERIODIC ORBITS”**.

Rio de Janeiro, April 11, 2014.

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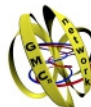
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We hereby certify that, **Marcela Zuccalli, Universidad Nac. de la Plata**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Equations from orbit reduction by stages**”.

Rio de Janeiro, April 11, 2014.

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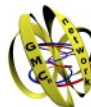
IMPA, Rio de Janeiro, Brazil
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We hereby certify that, **Marcelo Farias Caetano**, Instituto de Matemática e Estatística, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Vertical stability in the n-body problem**”.

Rio de Janeiro, April 11, 2014.

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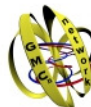
IMPA, Rio de Janeiro, Brazil
April 7th to 11th, 2014

We hereby certify that, **Marcelo Pedro dos Santos**, **Universidade Federal Rural de Pernambuco**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Existence and uniqueness of masses in polygonal central configurations**”.

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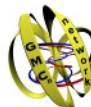
IMPA, Rio de Janeiro, Brazil
April 7th to 11th, 2014

We hereby certify that, **Márcia Pragana Dantas**, **Universidade Federal Rural de Pernambuco**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Equilibrium points of the restricted three body problem with perturbed potential**”.

Rio de Janeiro, April 11, 2014.

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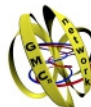
IMPA, Rio de Janeiro, Brazil
April 7th to 11th, 2014

We hereby certify that, **María Eugenia Garcia, Universidad Nac. de la Plata**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Optimal momentum map and optimal reduction for the two body problem**”.

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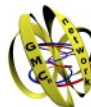
IMPA, Rio de Janeiro, Brazil
April 7th to 11th, 2014

We hereby certify that, **Mário Otávio Salles**, **Universidade Federal do Rio Grande do Norte**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**On Covariant Poisson Brackets in Classical Field Theory**”.

Rio de Janeiro, April 11, 2014.

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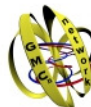
IMPA, Rio de Janeiro, Brazil
April 7th to 11th, 2014

We hereby certify that, **Marta Farré Puiggali**, **Consejo Superior de Investigaciones Cientificas**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**The Inverse Problem of the Calculus of Variations for constrained systems**”.

Rio de Janeiro, April 11, 2014.

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We hereby certify that, **Maximiliano Palacios**, **Universidad Nacional del Comahue**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Thermo-mechanical systems in a symplectic formalism**”.

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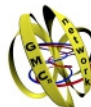
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We hereby certify that, **Pedro Lauridsen Ribeiro**, **Universidade Federal do Abc**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Perturbative Algebraic Quantum Field Theory around Background Fields: Towards Deformation Quantization**”.

Rio de Janeiro, April 11, 2014.

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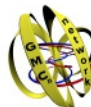
We hereby certify that, **Rodrigo Ristow Montes**, **Universidade Federal do Paraná**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Constant Contact Angle Surfaces in the Lorentz Group L_3** ”.

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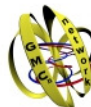
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We hereby certify that, **Romero Barbieri Solha**, **Universidade Federal de Minas Gerais**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Circle Actions And Geometric Quantisation**”.

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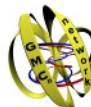
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We hereby certify that, **Santiago Capriotti, Universidad Nacional del Sur**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Cartan algorithm and Gotay-like algorithm in field theory**”.

Rio de Janeiro, April 11, 2014.

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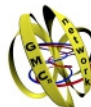
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We hereby certify that, **Thiago Dias Oliveira Silva**, **Universidade Federal Rural de Pernambuco**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Generic Finiteness Of (N - 2)-Dimensional Central Configurations For Homogeneous Potentials With Integer Exponents**”.

Rio de Janeiro, April 11, 2014.

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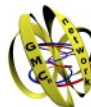
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We hereby certify that, **Tomasz Tyranowski, Imperial College London**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Variational partitioned Runge-Kutta methods for Lagrangians linear in velocities**”.

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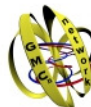
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We hereby certify that, **Viviana Alejandra Díaz, Universidad Nacional del Sur**, participated in the IV Iberoamerican Meeting on Geometry, Mechanics and Control. Celebrating Jair Koiller's 65th birthday, held at Instituto Nacional de Matemática Pura e Aplicada – IMPA, Rio de Janeiro, from April 7 to 11, 2014 and presented the following poster: “**Equations from orbit reduction by stages**”.

Rio de Janeiro, April 11, 2014.

Henrique Bursztyn
Organizing Committee

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