

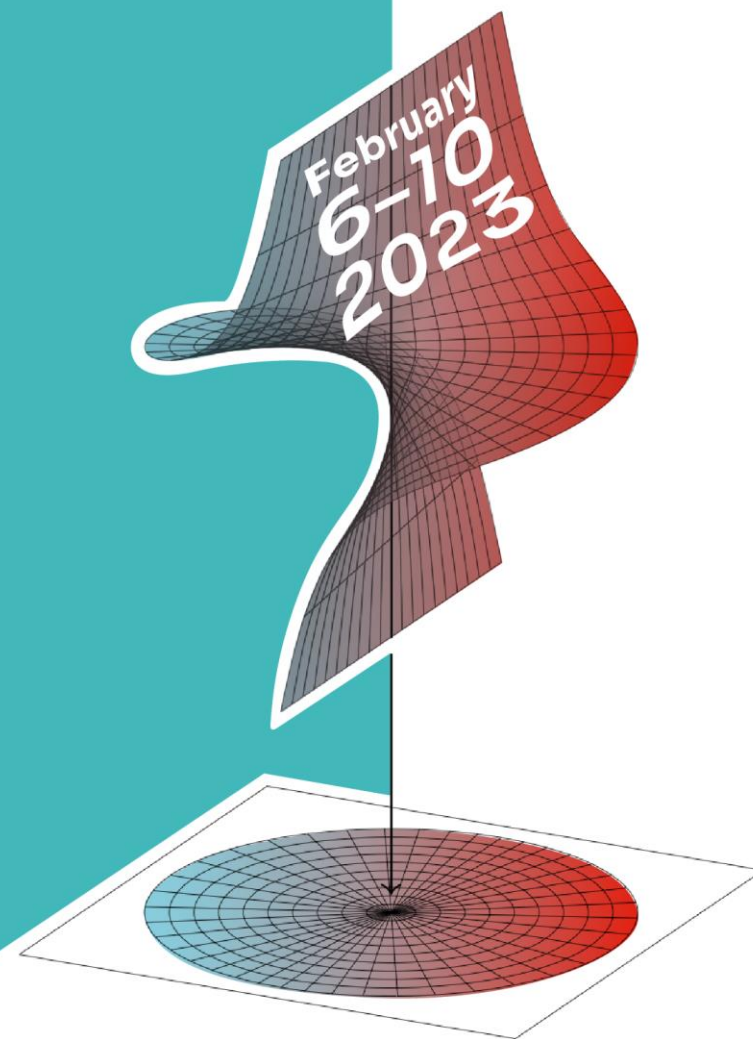
CERTIFICATE

We hereby certify that Adriana Mayumi Shiguihara, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

15th
ALGA
(Commutative
Algebra and
Algebraic
Geometry)



Organizer:



Support:



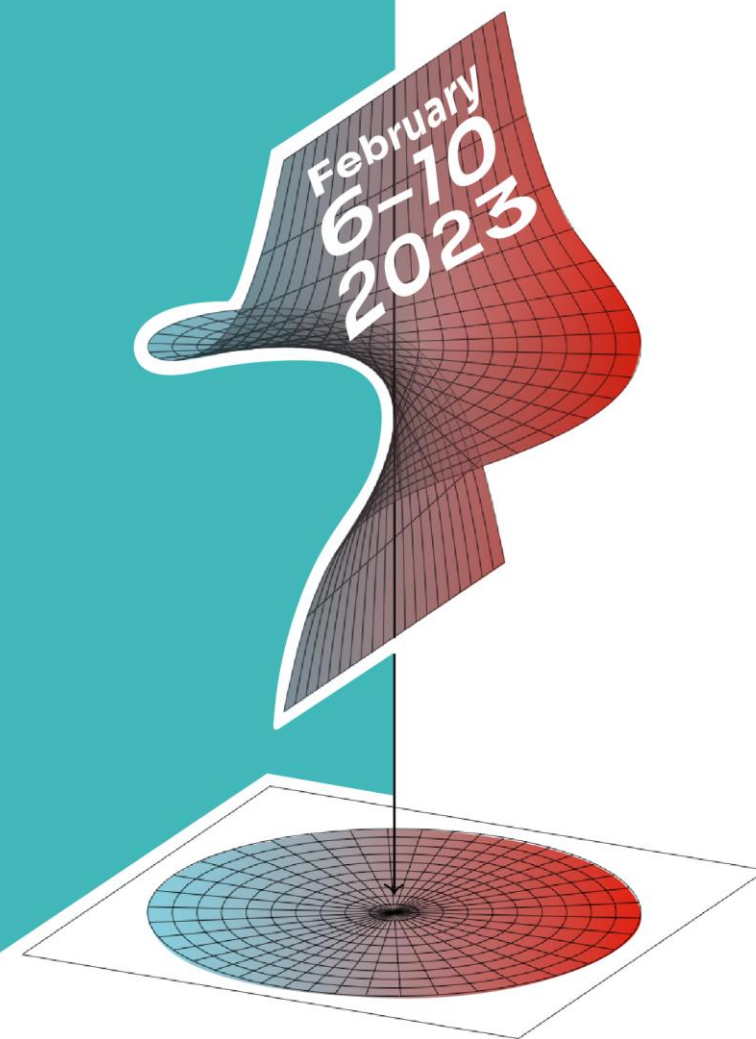
CERTIFICATE

We hereby certify that Ageu Barbosa Freire, Universidade do Estado do Rio de Janeiro (UERJ), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

**15th
ALGA** (Commutative
Algebra and
Algebraic
Geometry)



Organizer:



Support:



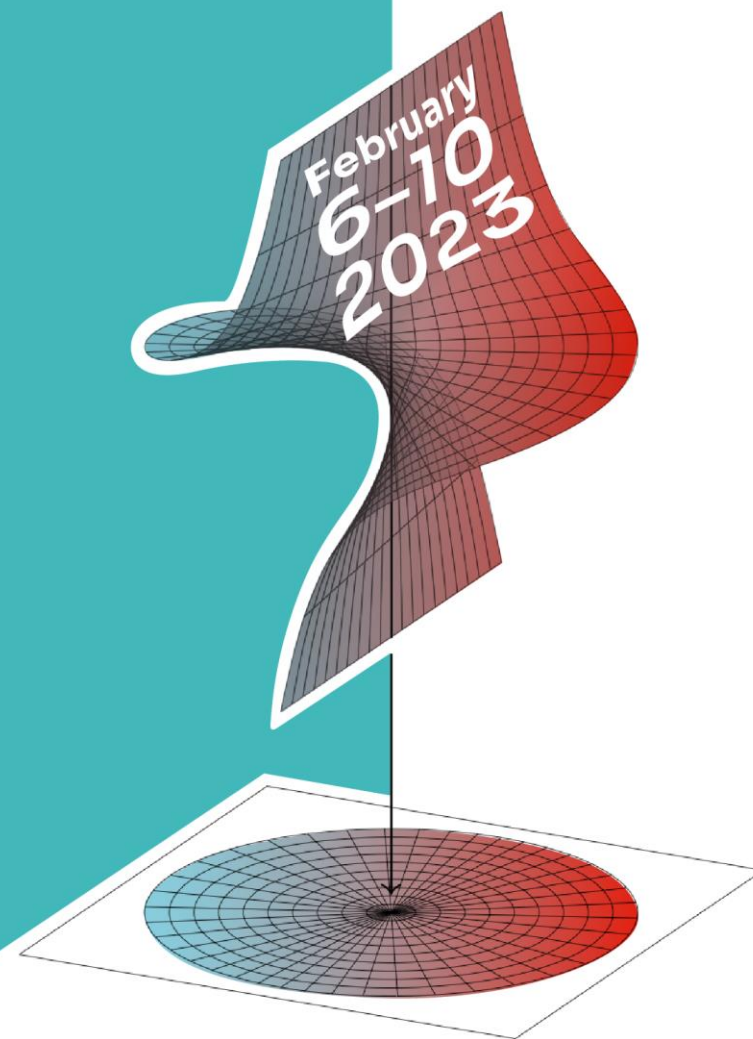
CERTIFICATE

We hereby certify that Alan do Nascimento Muniz, Universidade Estadual de Campinas (UNICAMP), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

15th
ALGA (Commutative
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Algebraic
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Organizer:



Support:



CERTIFICATE

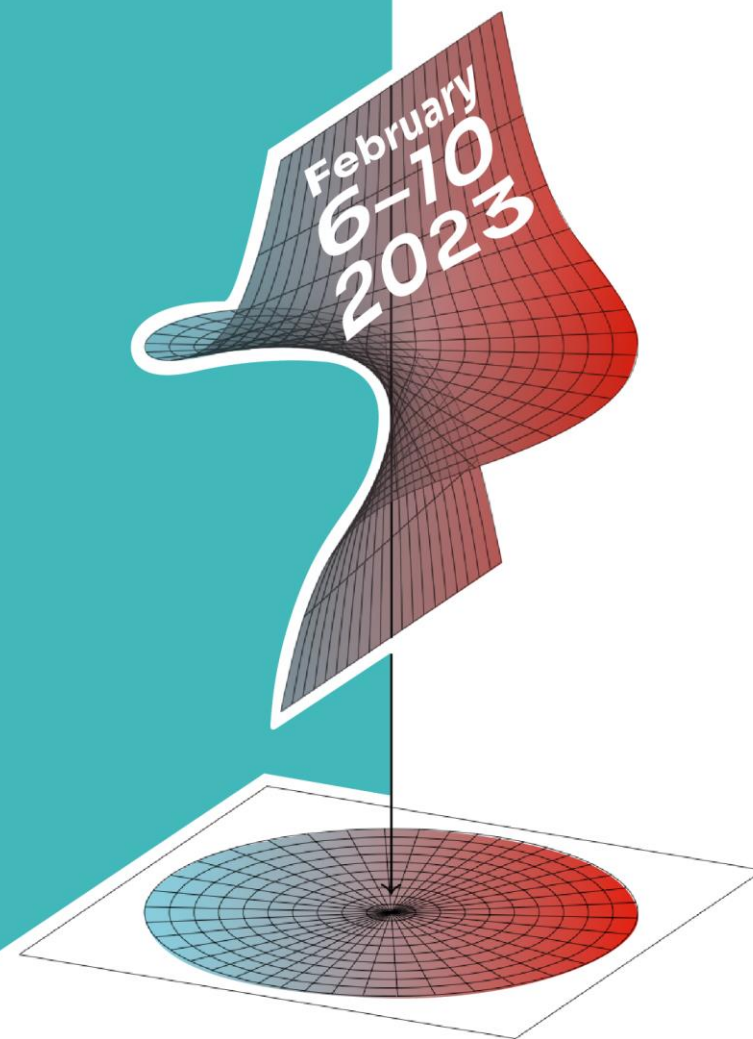
We hereby certify that Alana Jazmin Patiño Barrios, Instituto Paraguayo de Telecomunicaciones (IPT), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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Carolina B. Araujo
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15th ALGA

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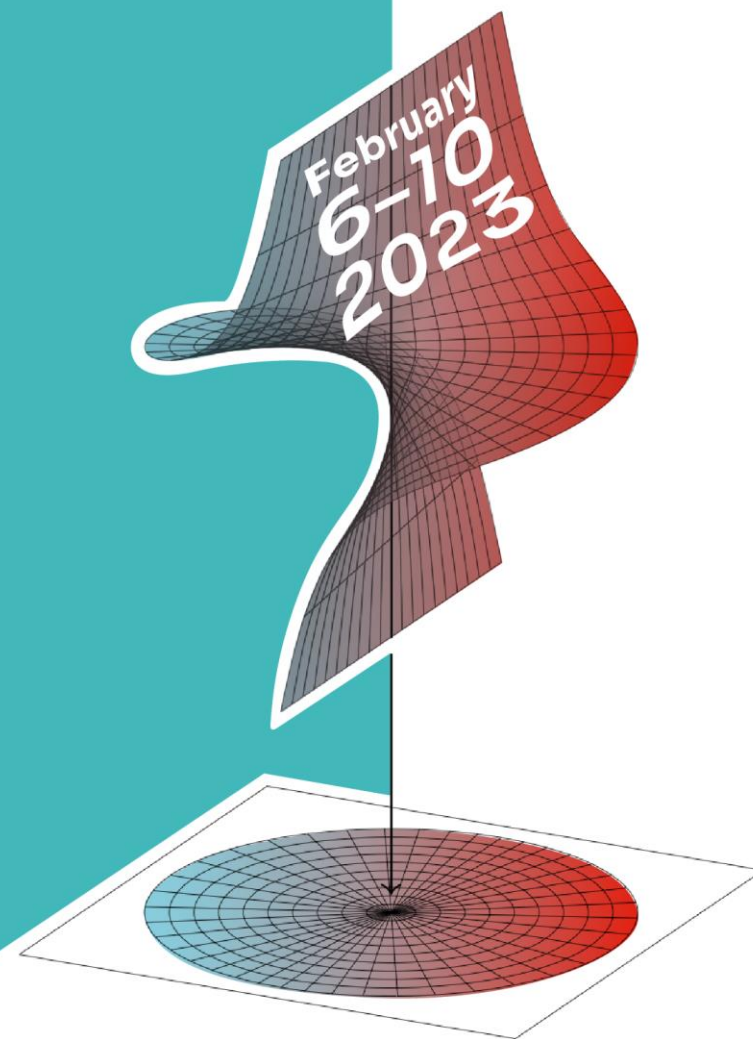
CERTIFICATE

We hereby certify that Alek Frohlich, Universidade Federal de Santa Catarina (UFSC), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

15th
ALGA
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Geometry)



Organizer:



Support:



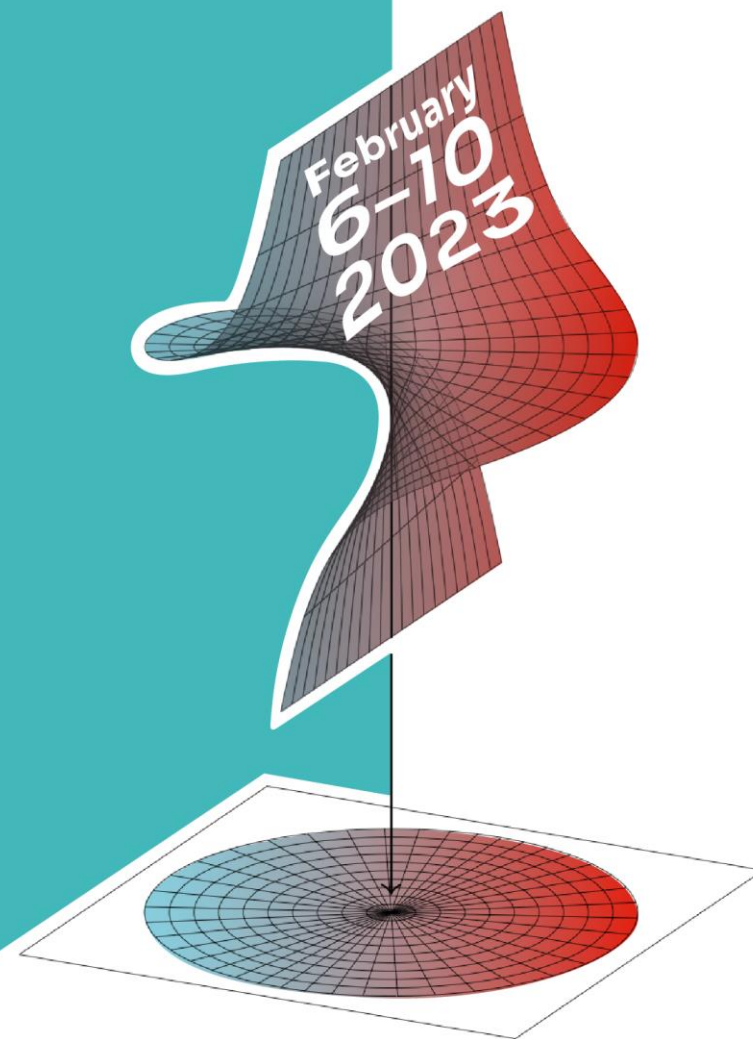
CERTIFICATE

We hereby certify that Alessandro Leite, Inria - Saclay, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

**15th
ALGA** (Commutative
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Organizer:



Support:



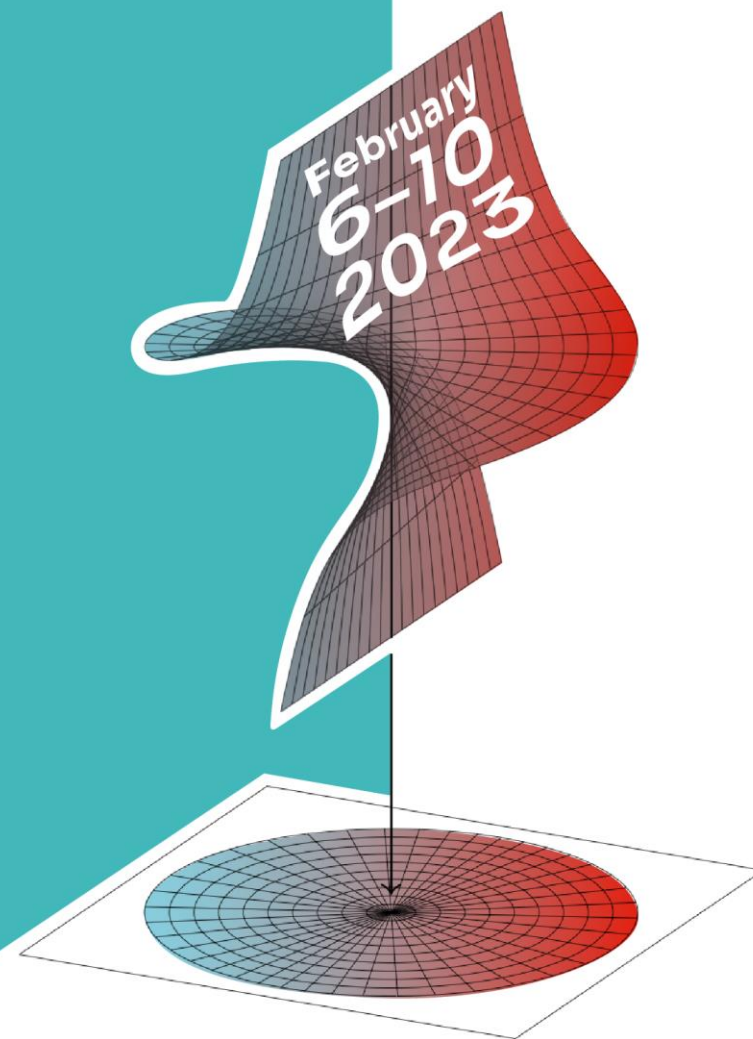
CERTIFICATE

We hereby certify that Alexander Schmitt, Freie Universität Berlin, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

**15th
ALGA** (Commutative
Algebra and
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Geometry)



Organizer:



Support:



CERTIFICATE

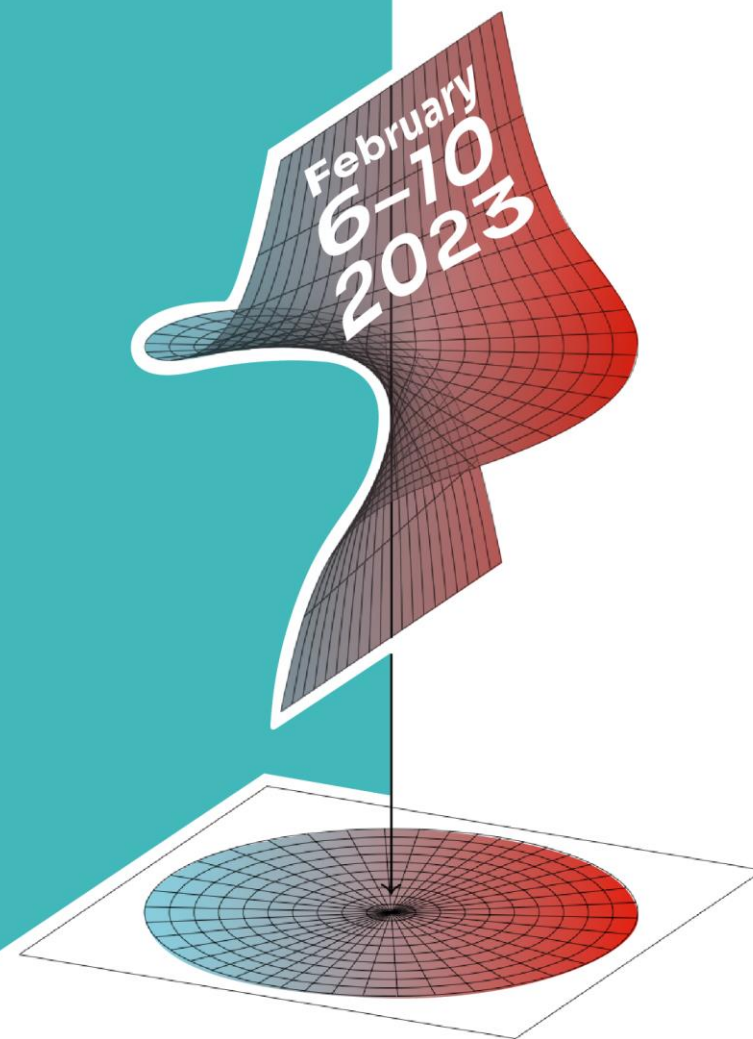
We hereby certify that Alicia Dickenstein, Universidad De Buenos Aires, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
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15th ALGA

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Support:



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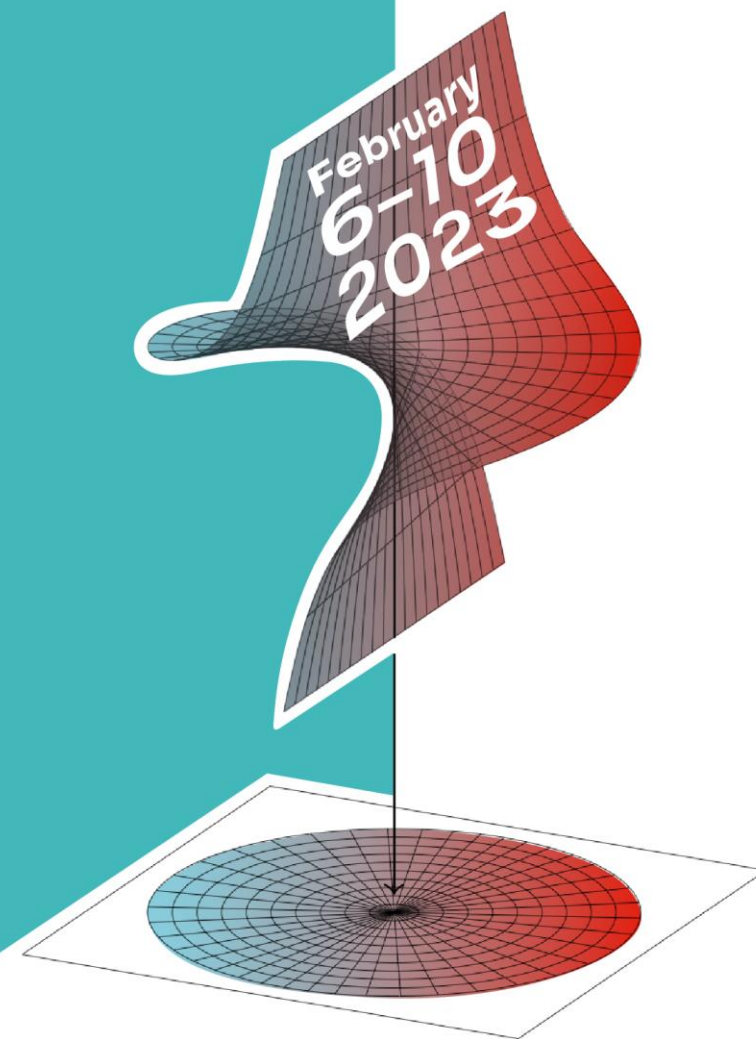
We hereby certify that Aline Andrade, Universidade Federal de Minas Gerais (UFMG), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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15th ALGA

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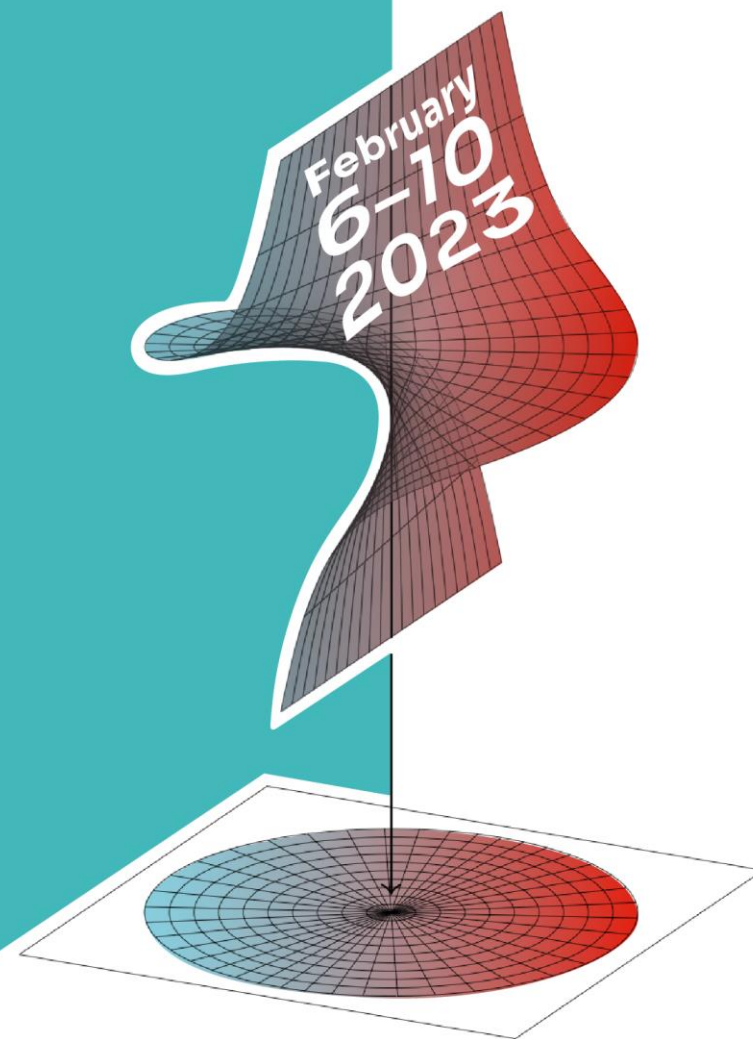
CERTIFICATE

We hereby certify that Alonso Sepúlveda Castellanos, Universidade Federal de Uberlândia (UFU), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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**15th
ALGA** (Commutative
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Organizer:



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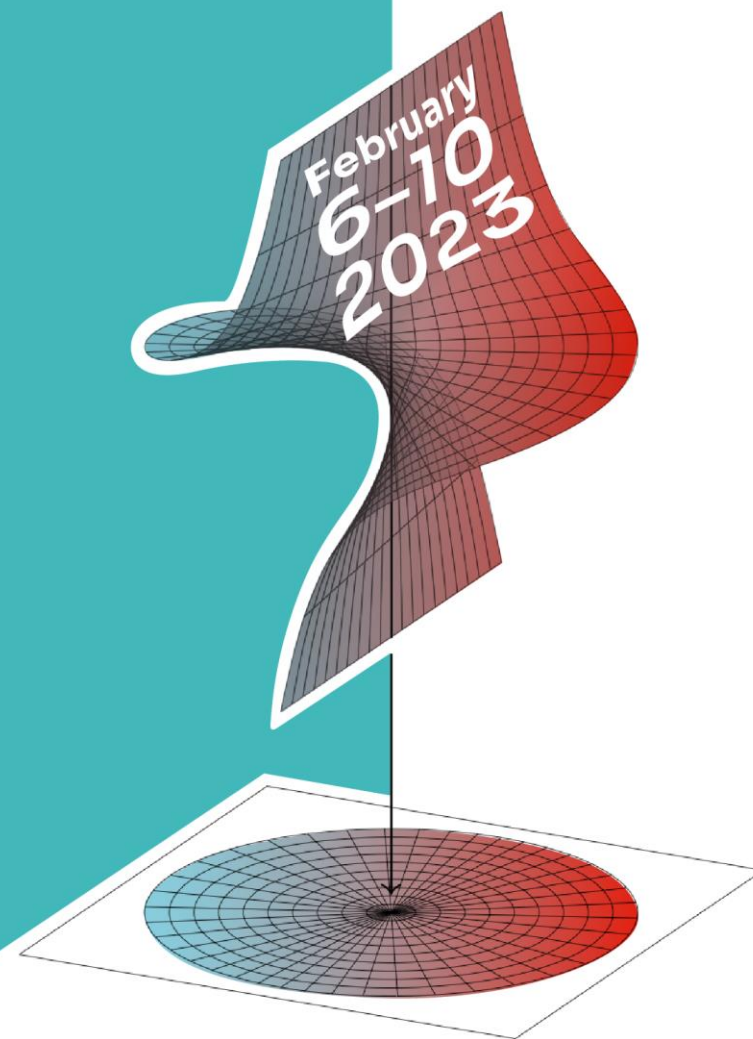
CERTIFICATE

We hereby certify that Alvaro Liendo, Universidad De Talca, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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Coordinator

**15th
ALGA** (Commutative
Algebra and
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Organizer:



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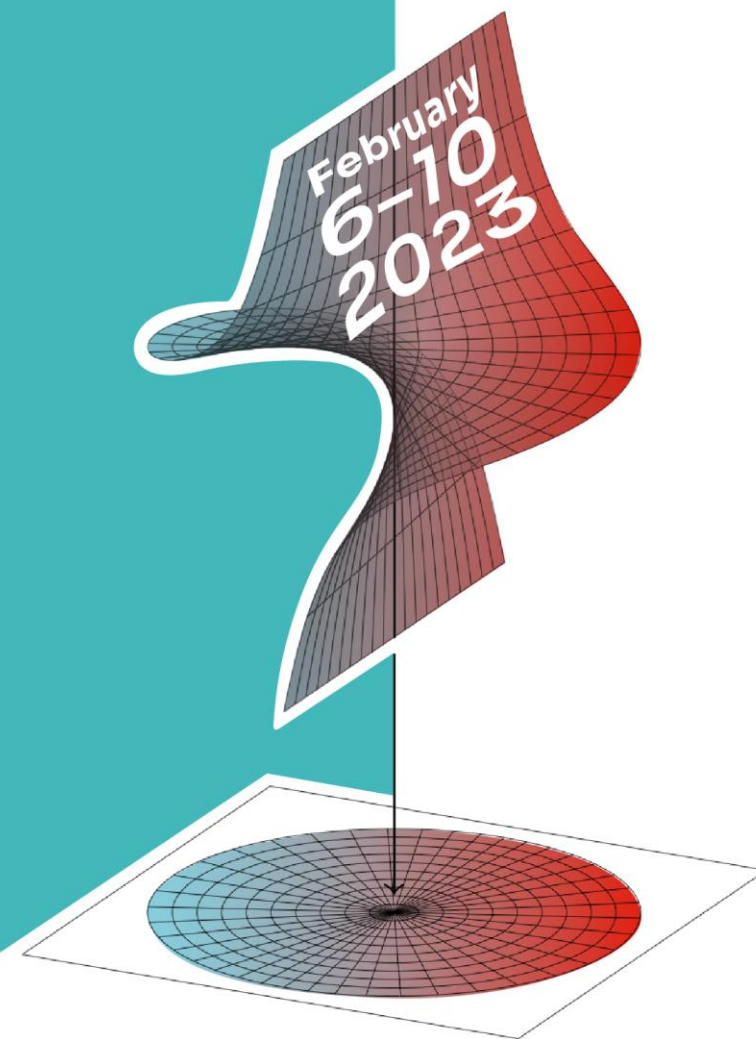
CERTIFICATE

We hereby certify that André Santana Dosea, Universidade Federal da Paraíba - João Pessoa (UFPB), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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15th
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Organizer:



Support:



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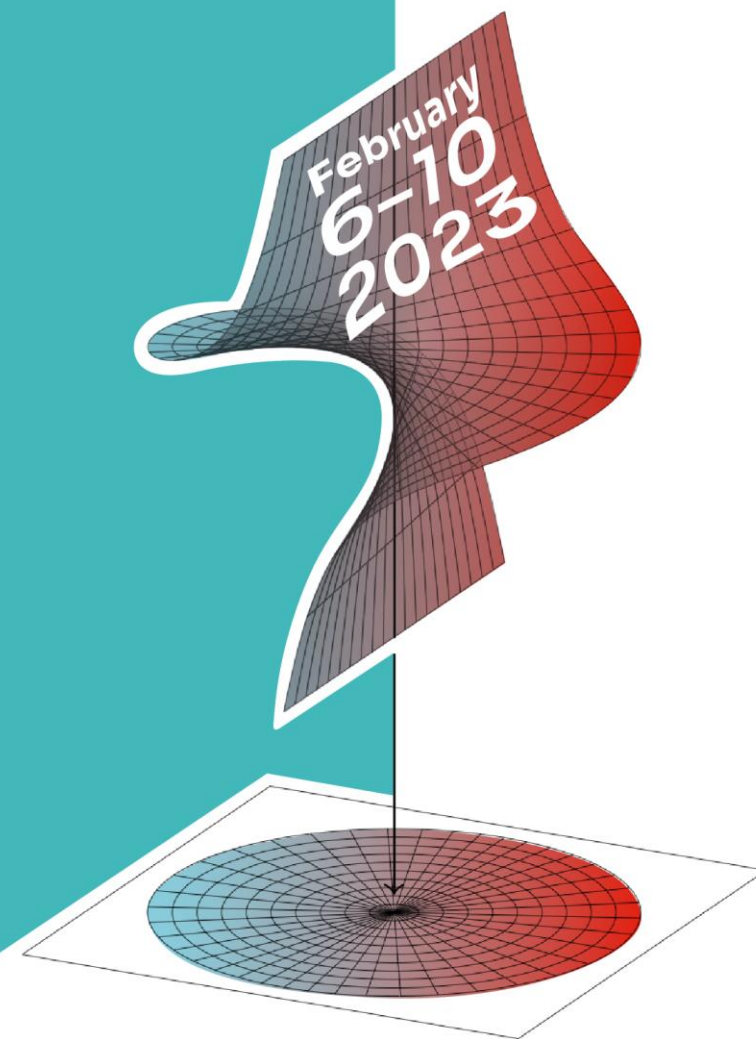
We hereby certify that Arcelino Bruno Lobato do Nascimento, Universidade Federal do Maranhao (UFMA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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15th ALGA

(Commutative
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Organizer:



Support:



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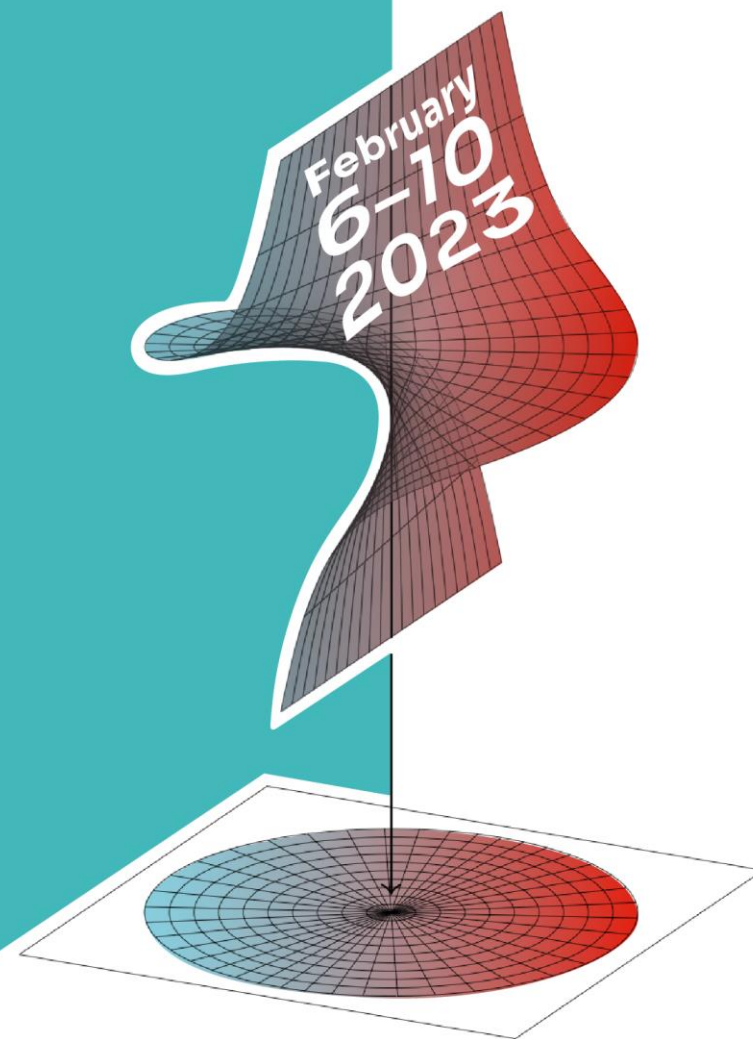
We hereby certify that Aron Simis, Universidade Federal de Pernambuco (UFPE), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

15th ALGA

(Commutative
Algebra and
Algebraic
Geometry)



Organizer:



Support:



CERTIFICATE

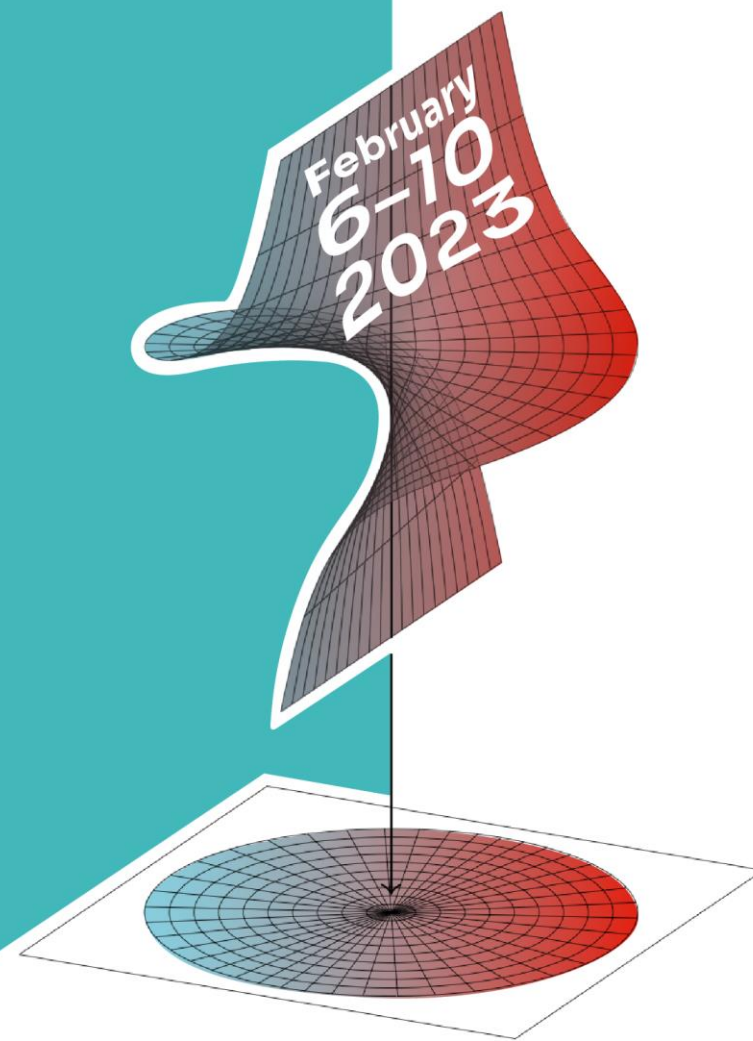
15th ALGA

(Commutative
Algebra and
Algebraic
Geometry)

We hereby certify that Arthur Felipe Gehrke, Universidade Federal de Santa Maria - Ufsm (UFSM), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.



Carolina B. Araujo
Coordinator



Organizer:



Support:



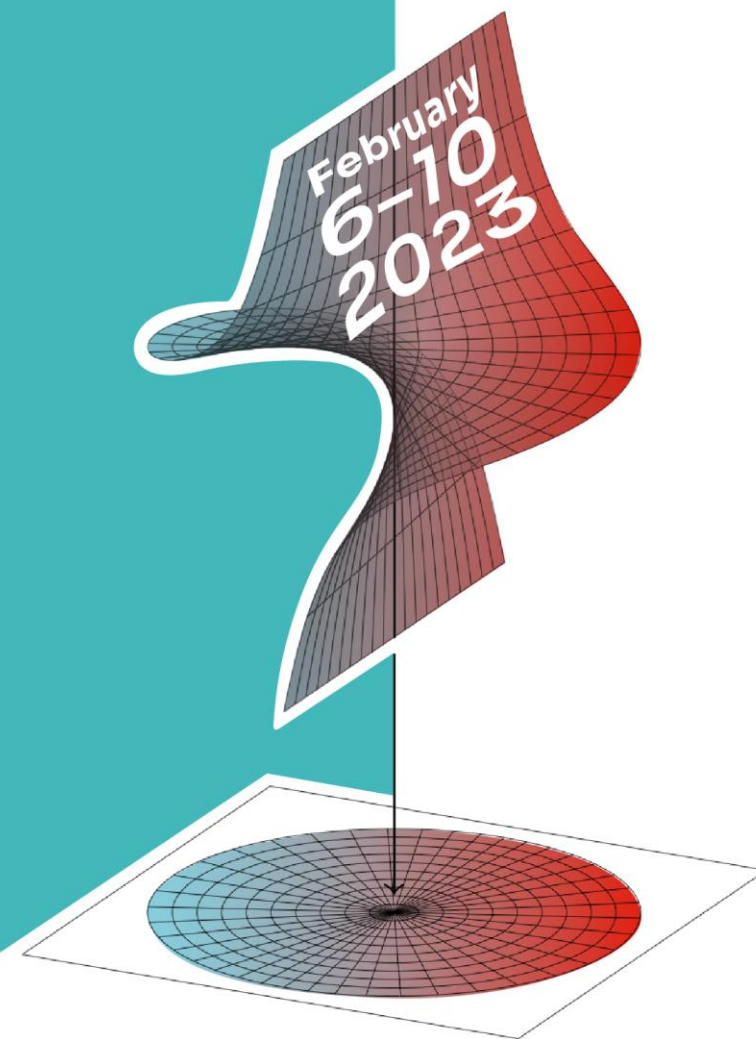
CERTIFICATE

We hereby certify that Átila Felipe de Souza Figueredo, Universidade Federal de Minas Gerais (UFMG), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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**15th
ALGA** (Commutative
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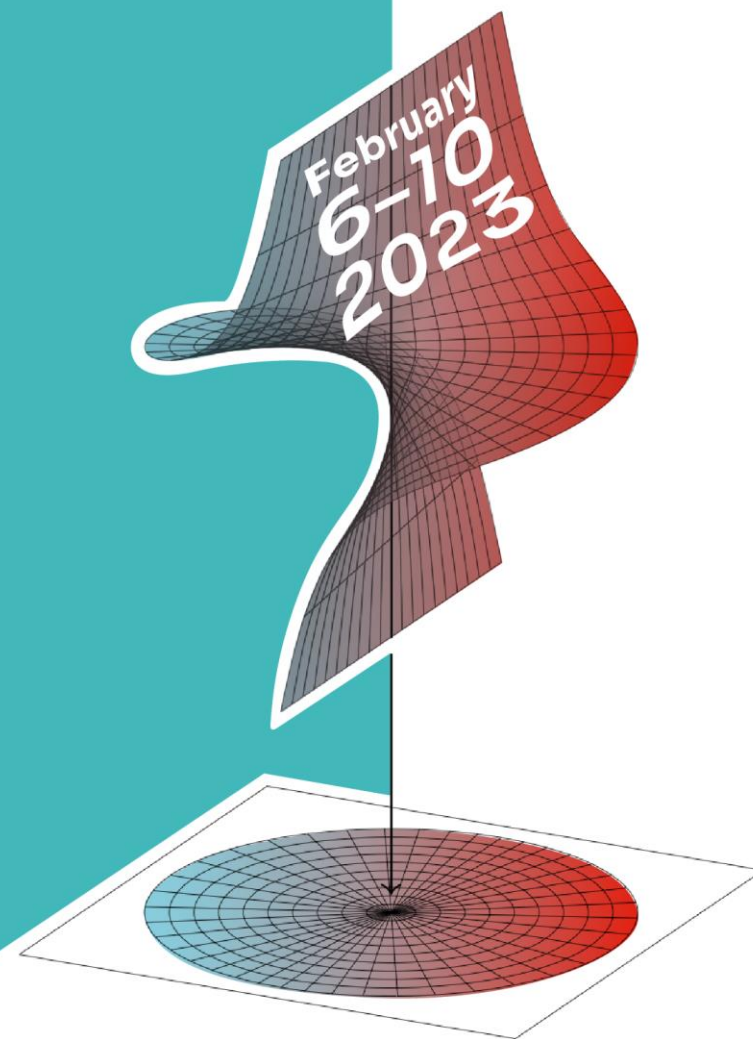
CERTIFICATE

We hereby certify that Ayrton Porto, Universidad Nacional Del Centro De La Provincia De Buenos Aires, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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Coordinator

**15th
ALGA** (Commutative
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Organizer:



Support:



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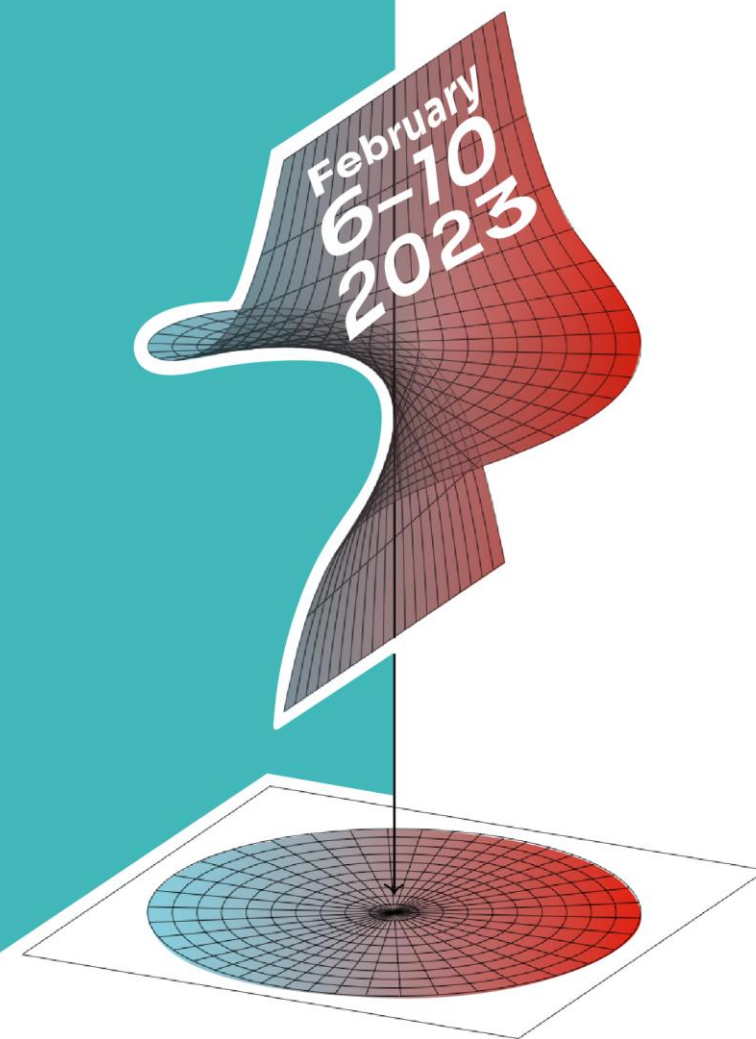
We hereby certify that Caio Correa Melo, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

15th ALGA

(Commutative
Algebra and
Algebraic
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Organizer:



Support:



CERTIFICATE

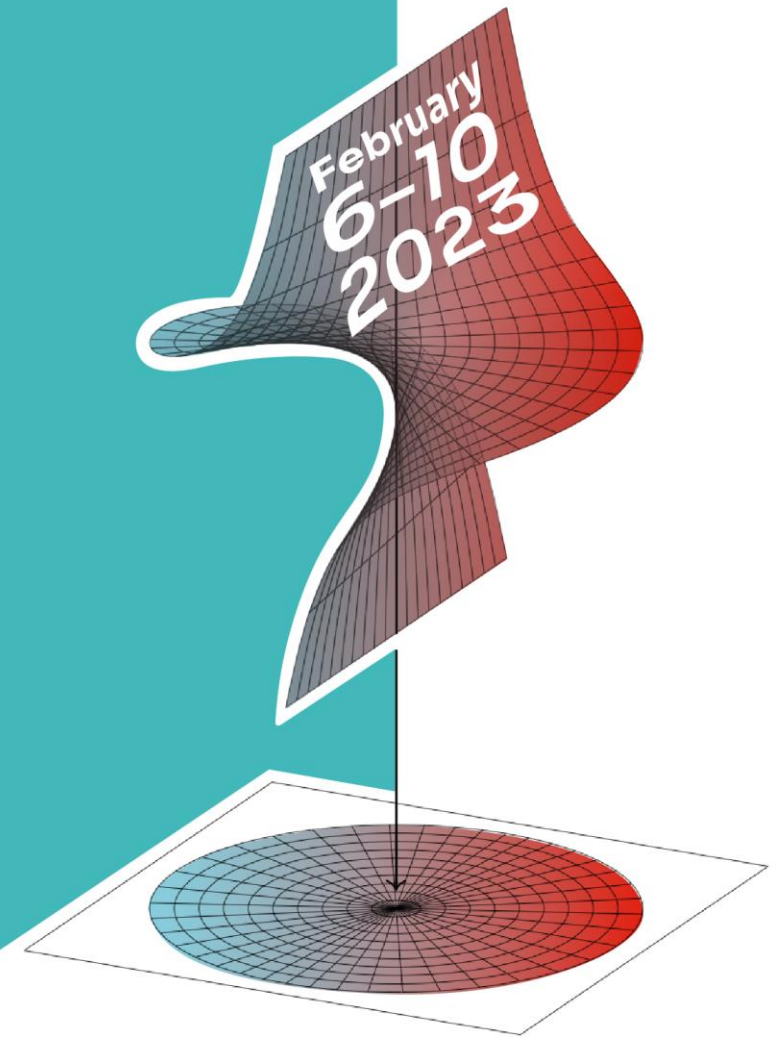
We hereby certify that Carlos Alberto de Lima, Universidade Federal Rural de Pernambuco (UFRPE), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th ALGA

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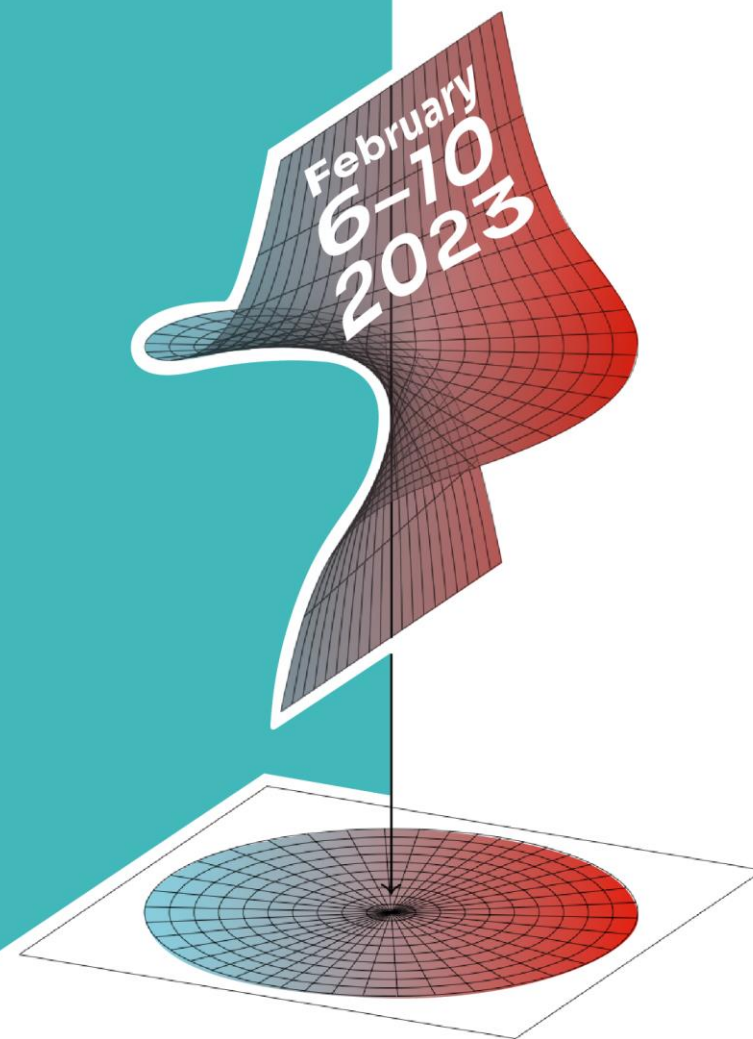
CERTIFICATE

We hereby certify that Carolina Dalmolin Ruviaro, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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**15th
ALGA** (Commutative
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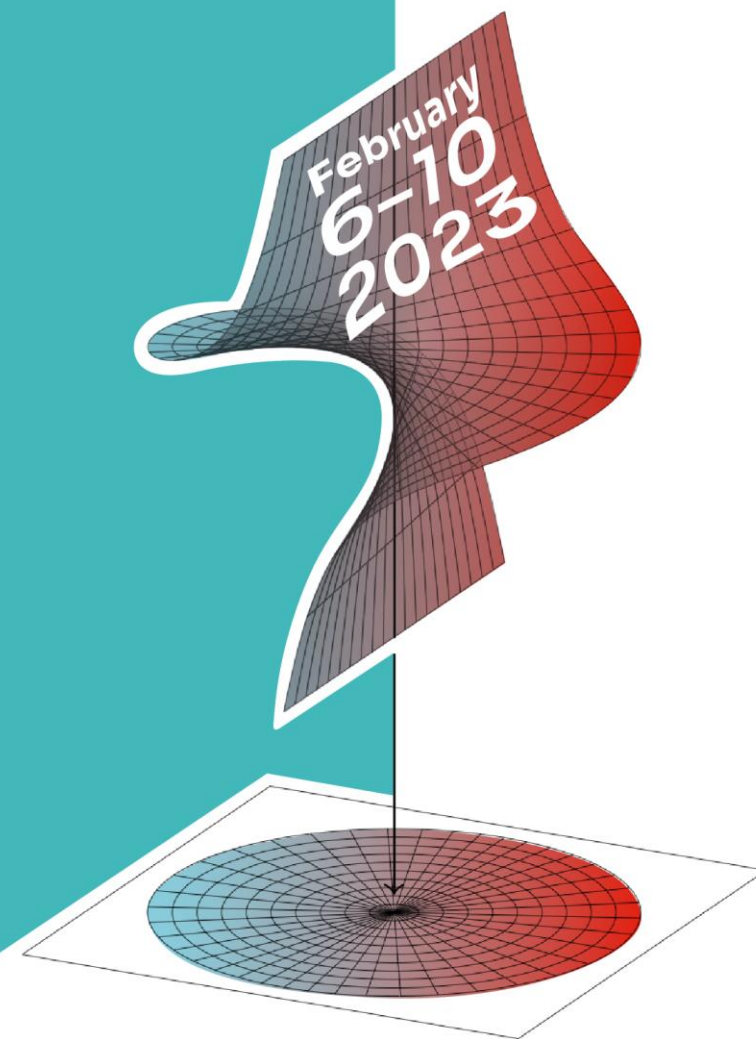
CERTIFICATE

We hereby certify that Charles Aparecido de Almeida, Universidade Federal de Minas Gerais (UFMG), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th
ALGA (Commutative
Algebra and
Algebraic
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Organizer:



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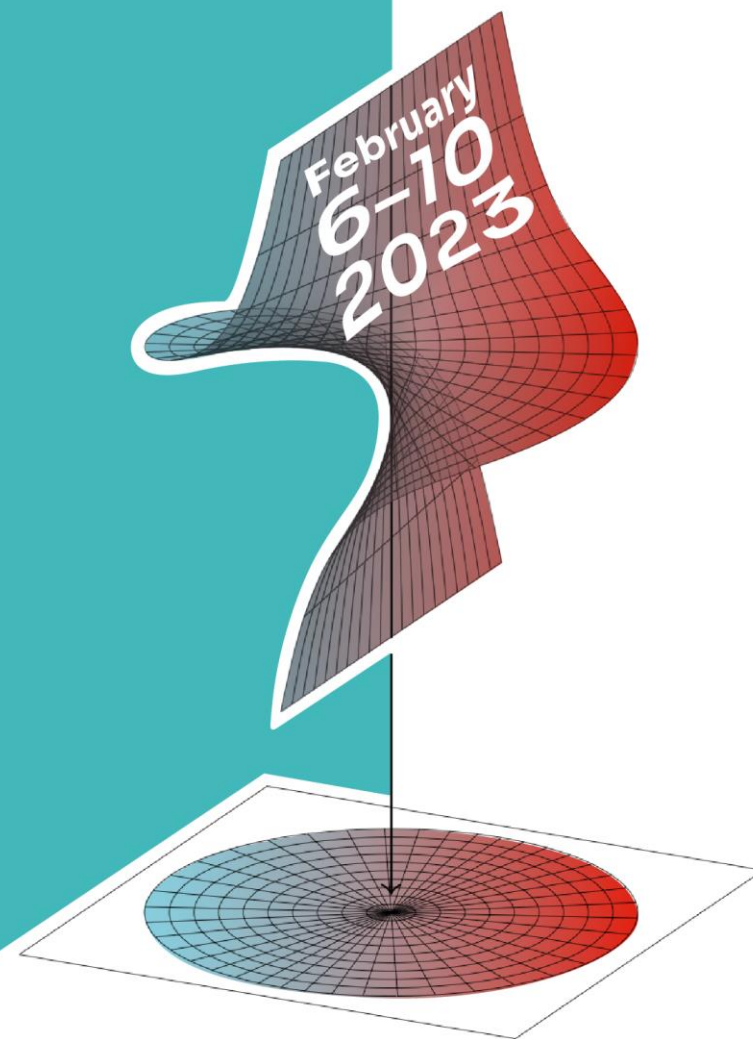
CERTIFICATE

We hereby certify that Cleto Brasileiro Miranda Neto, Universidade Federal da Paraíba - João Pessoa (UFPB), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
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**15th
ALGA** (Commutative
Algebra and
Algebraic
Geometry)



Organizer:



Support:



CERTIFICATE

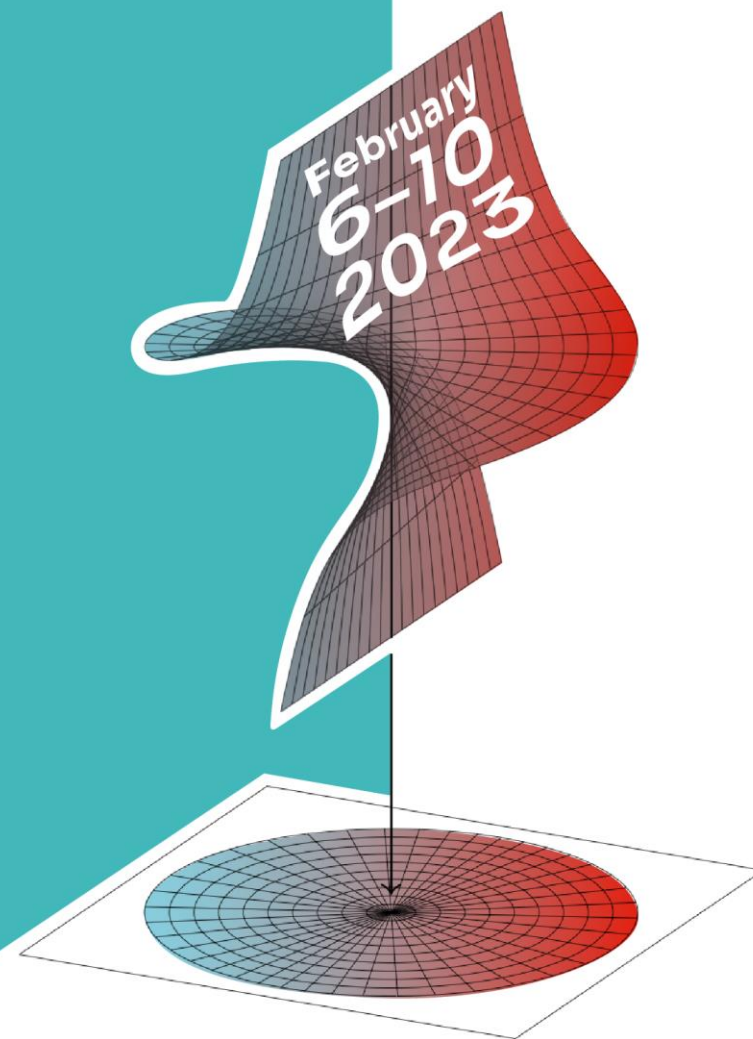
We hereby certify that Crislaine Kuster, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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Coordinator

15th ALGA

(Commutative
Algebra and
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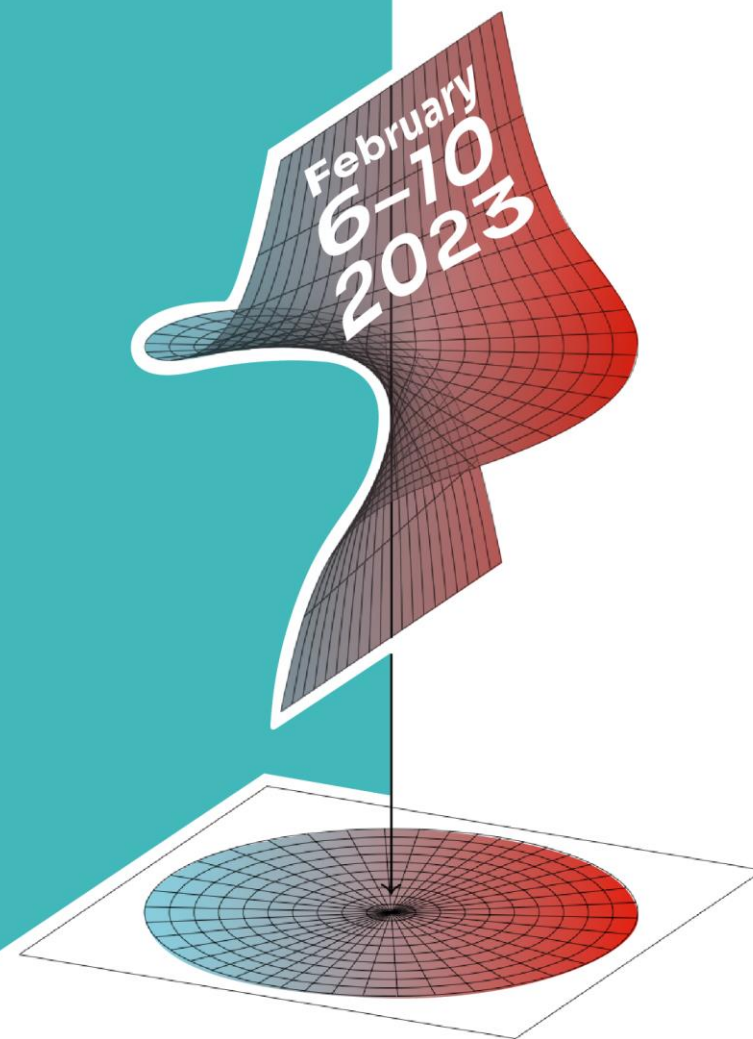
CERTIFICATE

We hereby certify that Daniel Alberto Aguilar Alvarez, Universidad de Costa Rica (UNIVERSIDAD DE COSTA RICA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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Coordinator

**15th
ALGA** (Commutative
Algebra and
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Organizer:



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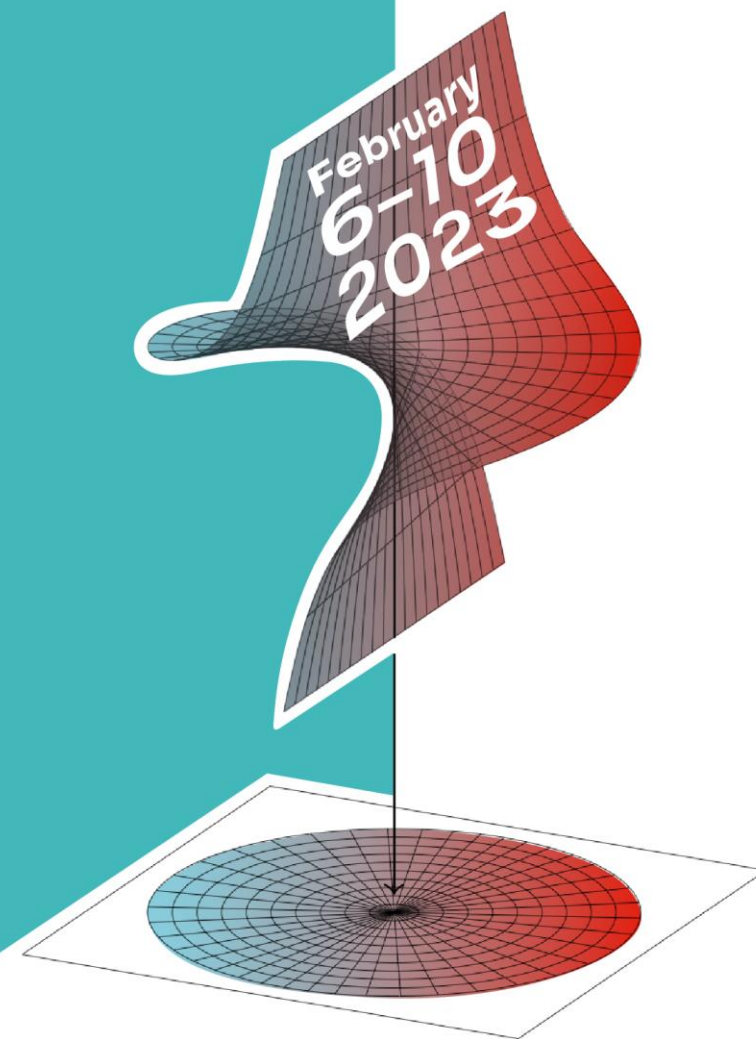
CERTIFICATE

We hereby certify that Daniela Alejandra Paiva Peñuela, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th
ALGA
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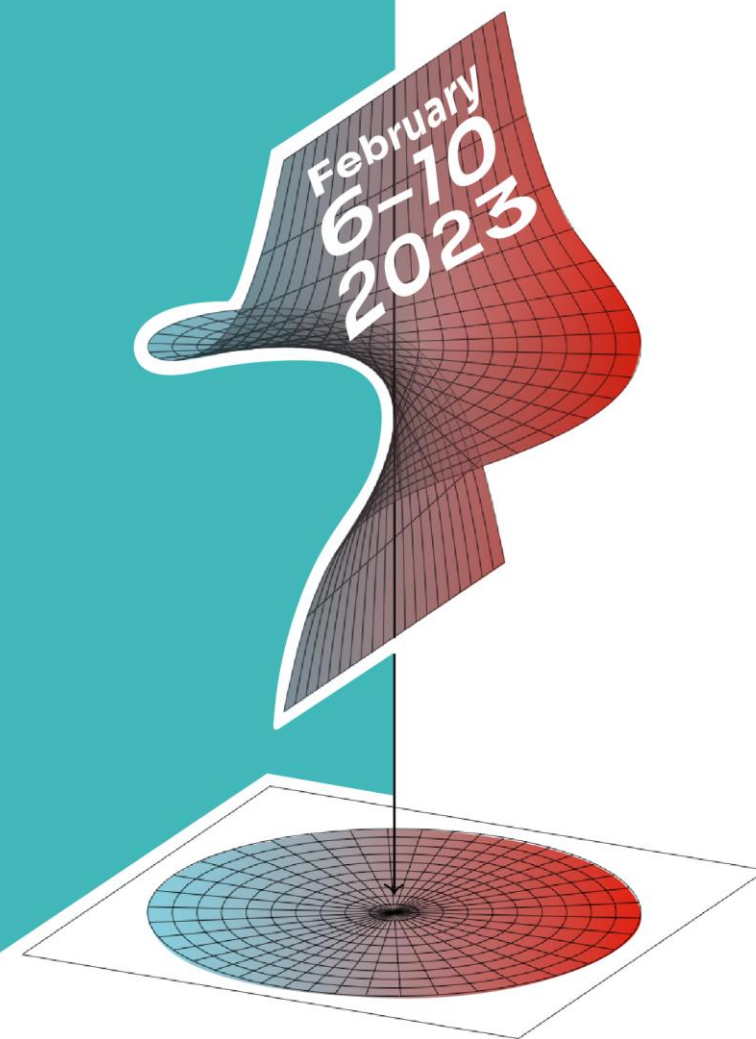
CERTIFICATE

We hereby certify that Dapeng Mu, Universidade Estadual de Campinas (UNICAMP), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

15th
ALGA
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Algebra and
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Organizer:



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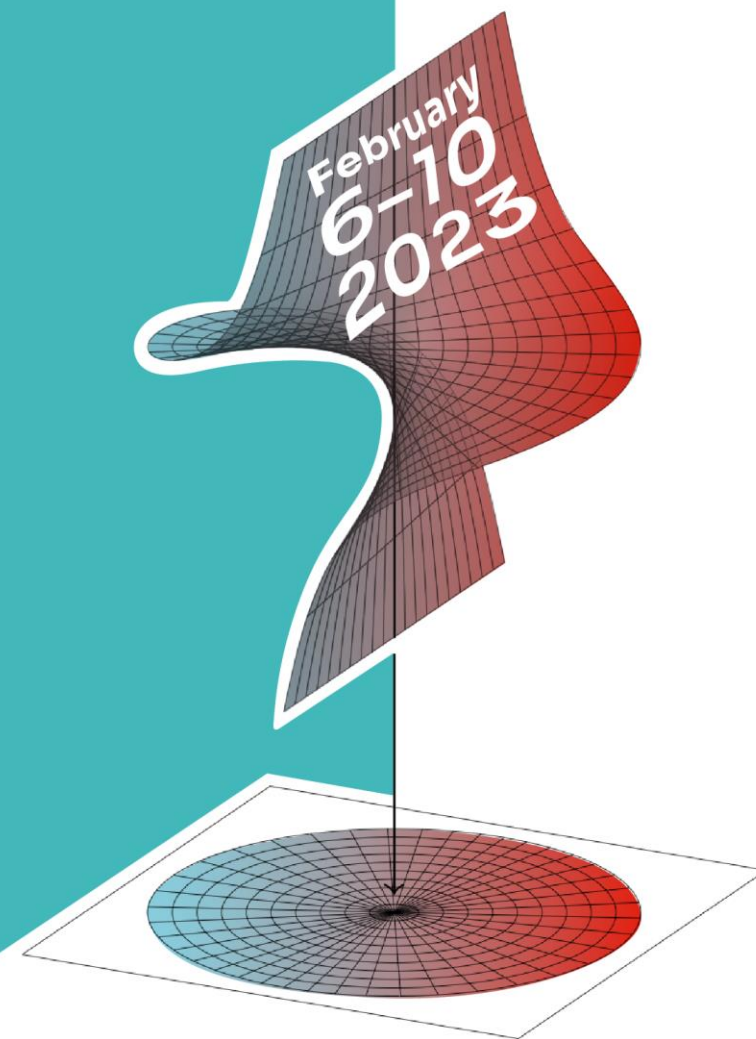
CERTIFICATE

We hereby certify that David Jose de Melo Junior, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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15th
ALGA
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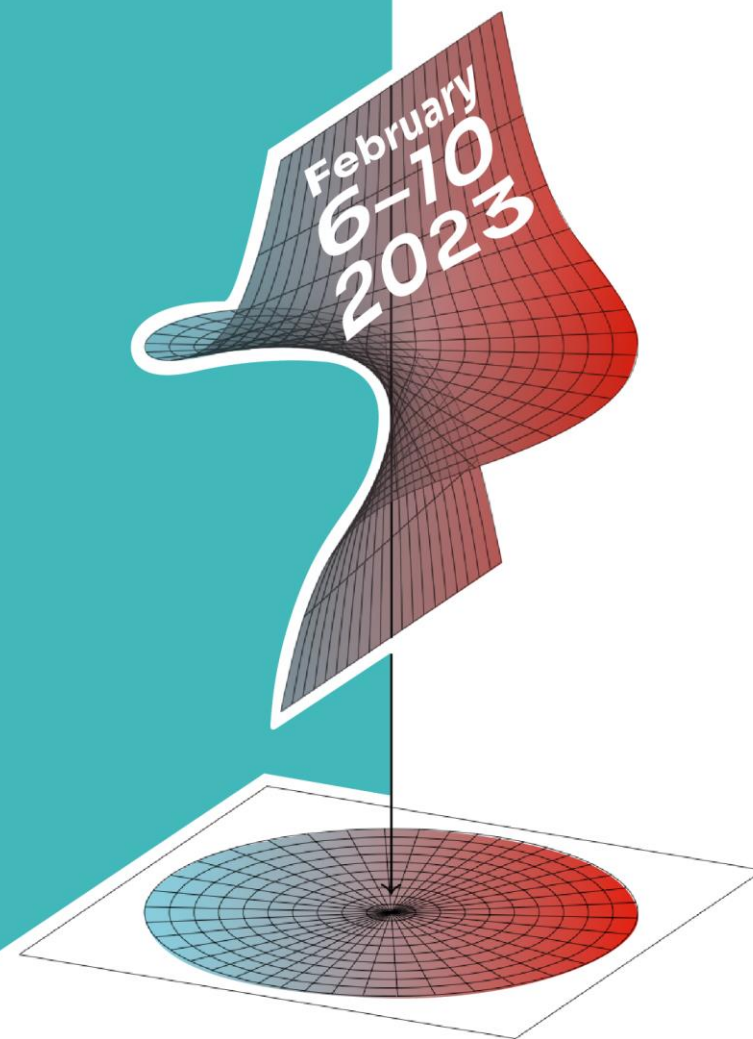
CERTIFICATE

We hereby certify that Eduardo Alves da Silva, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
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**15th
ALGA** (Commutative
Algebra and
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Organizer:



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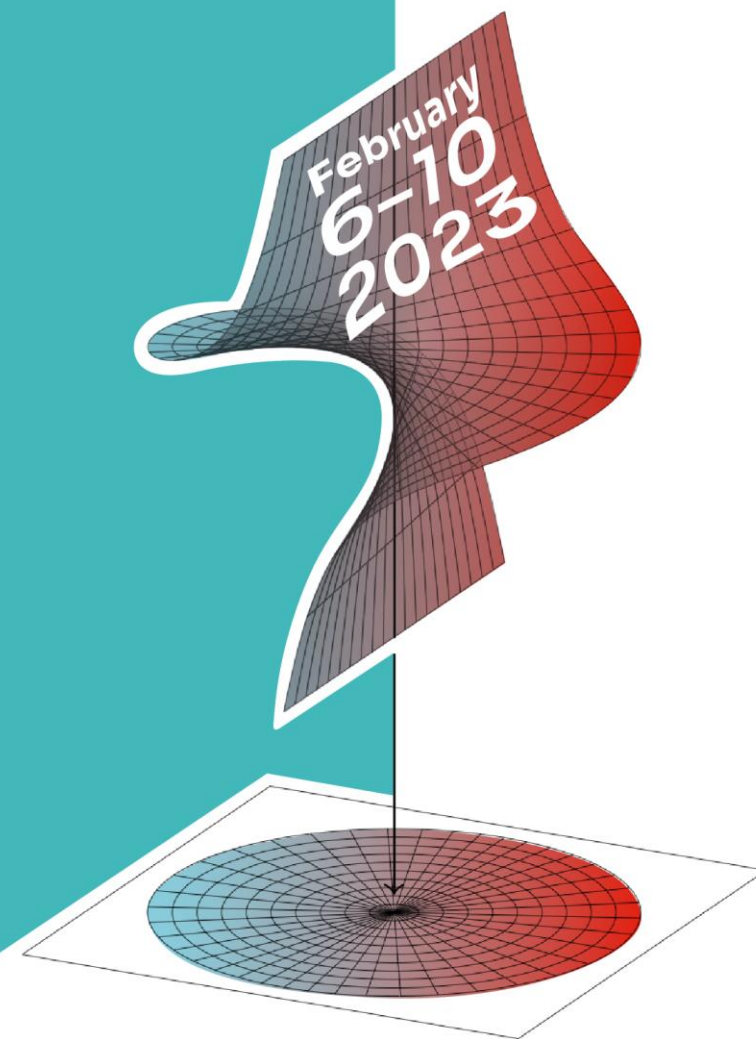
CERTIFICATE

We hereby certify that Eduardo de Sequeira Esteves, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

15th
ALGA
(Commutative
Algebra and
Algebraic
Geometry)



Organizer:



Support:



CERTIFICATE

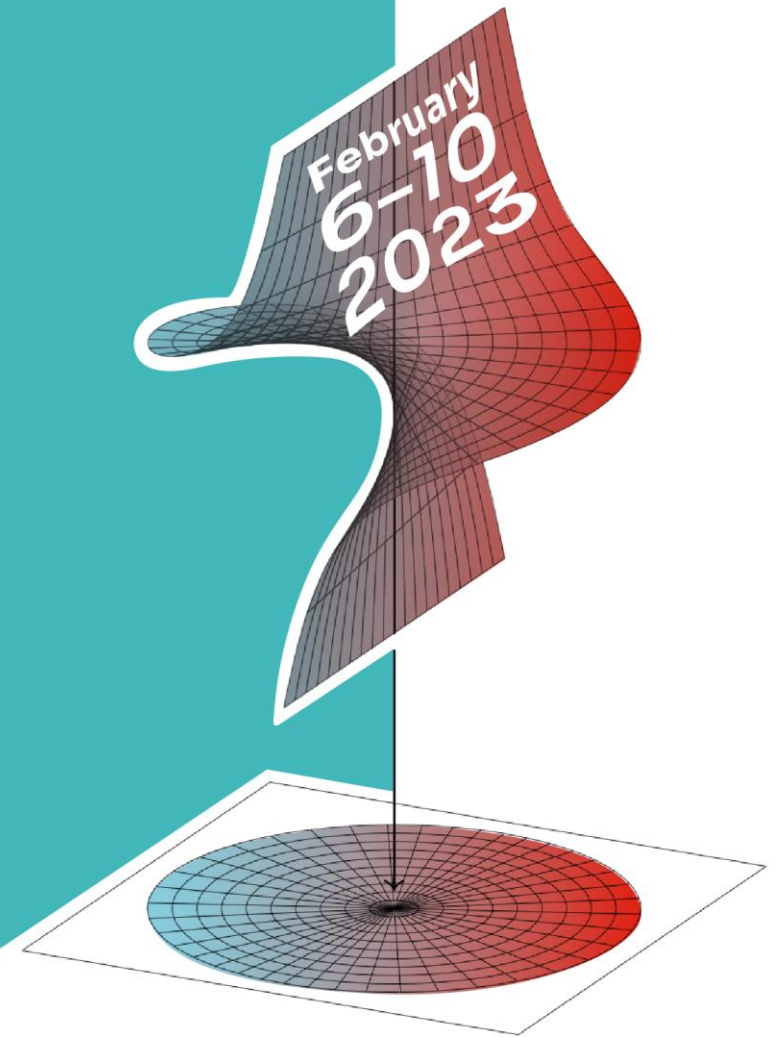
We hereby certify that Elizabeth Rodrigues Pereira Menezes, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th
ALGA
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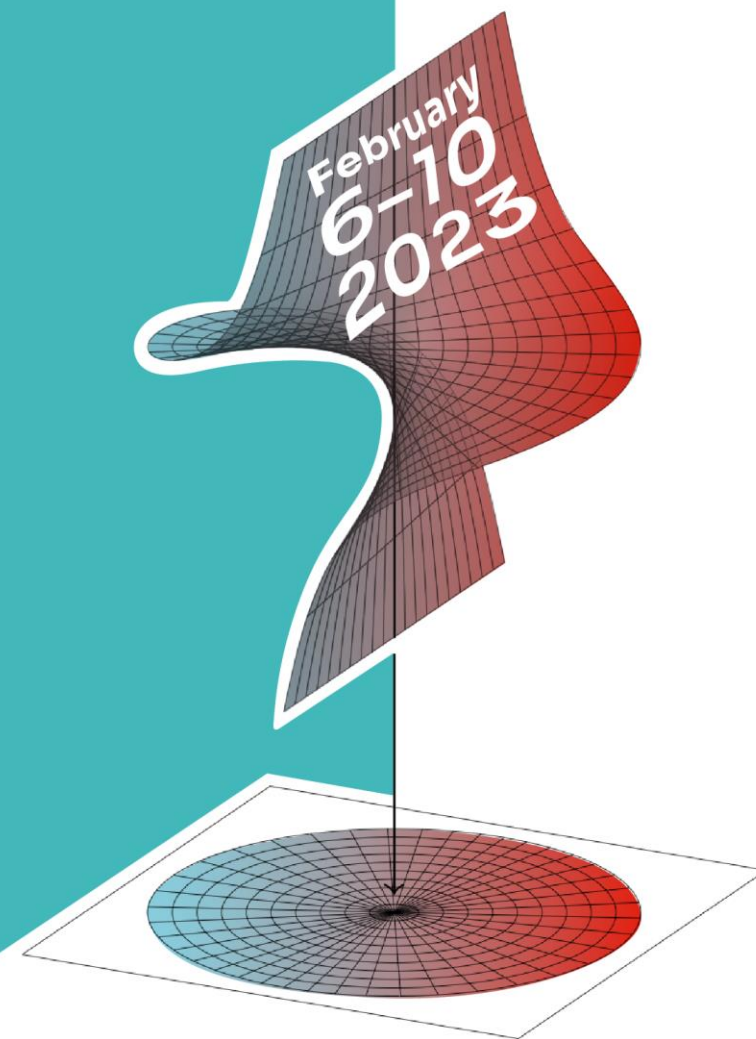
CERTIFICATE

We hereby certify that Erik Antonio Rojas Mendoza, Universidade Federal do Rio de Janeiro (UFRJ), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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**15th
ALGA** (Commutative
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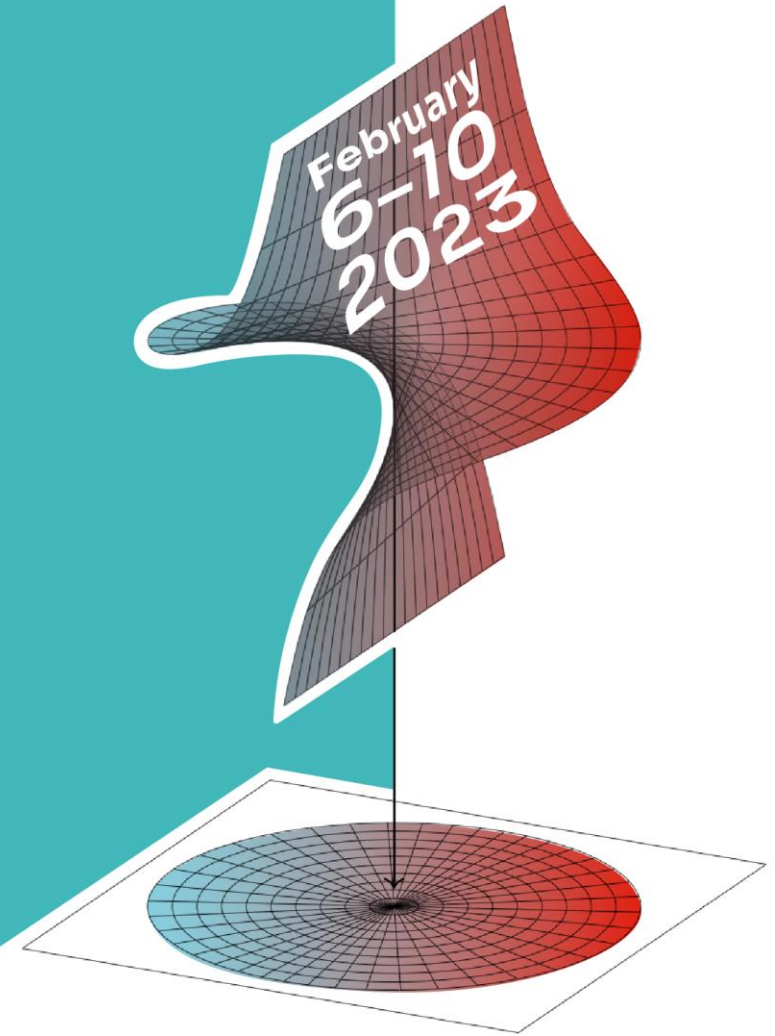
CERTIFICATE

We hereby certify that Ethan Guy Cotterill, Universidade Estadual de Campinas (UNICAMP), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th
ALGA
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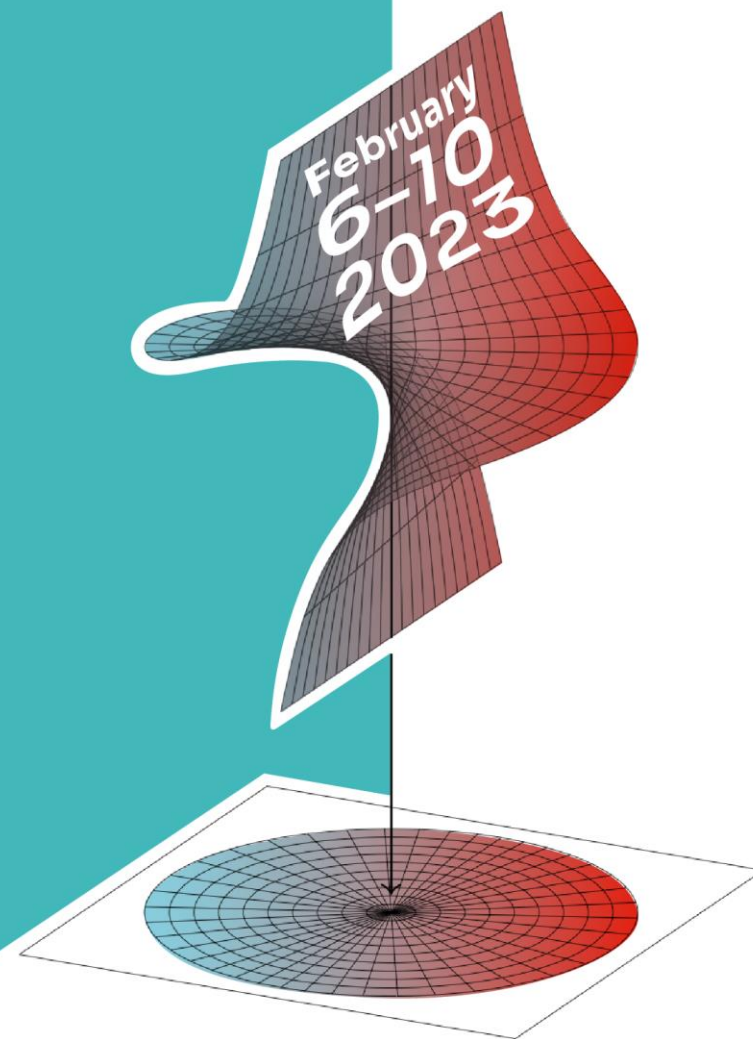
CERTIFICATE

We hereby certify that Felipe César Freitas Monteiro, Universidade Estadual de Campinas (UNICAMP), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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**15th
ALGA** (Commutative
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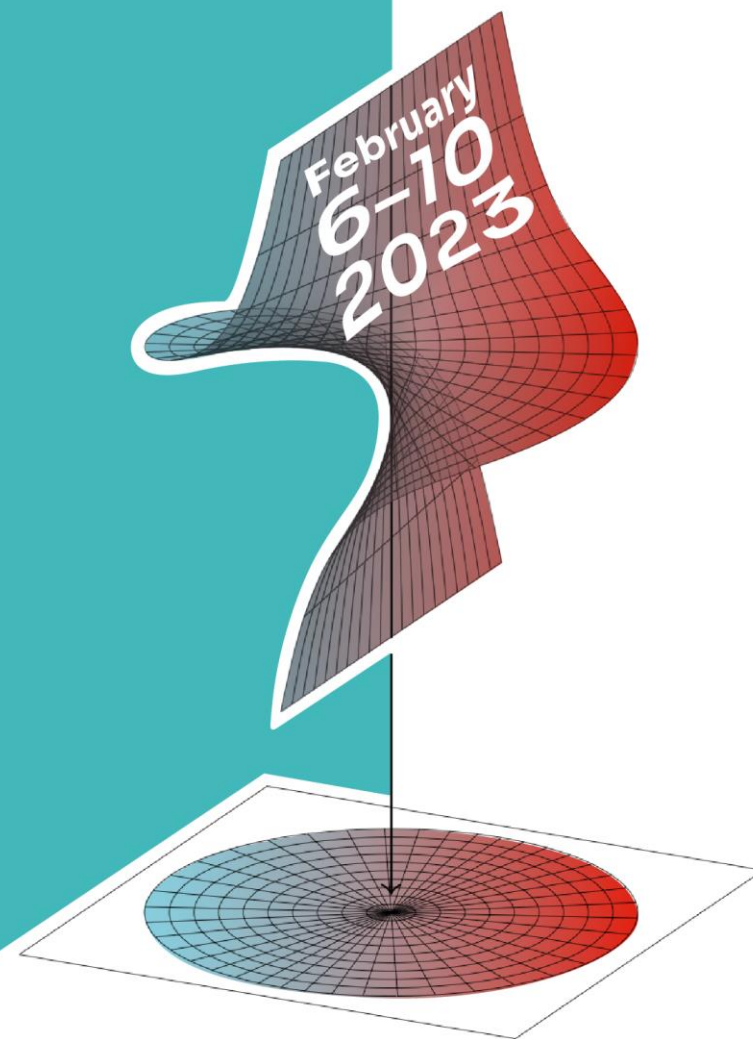
CERTIFICATE

We hereby certify that Felipe de León Saenz Angel, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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**15th
ALGA** (Commutative
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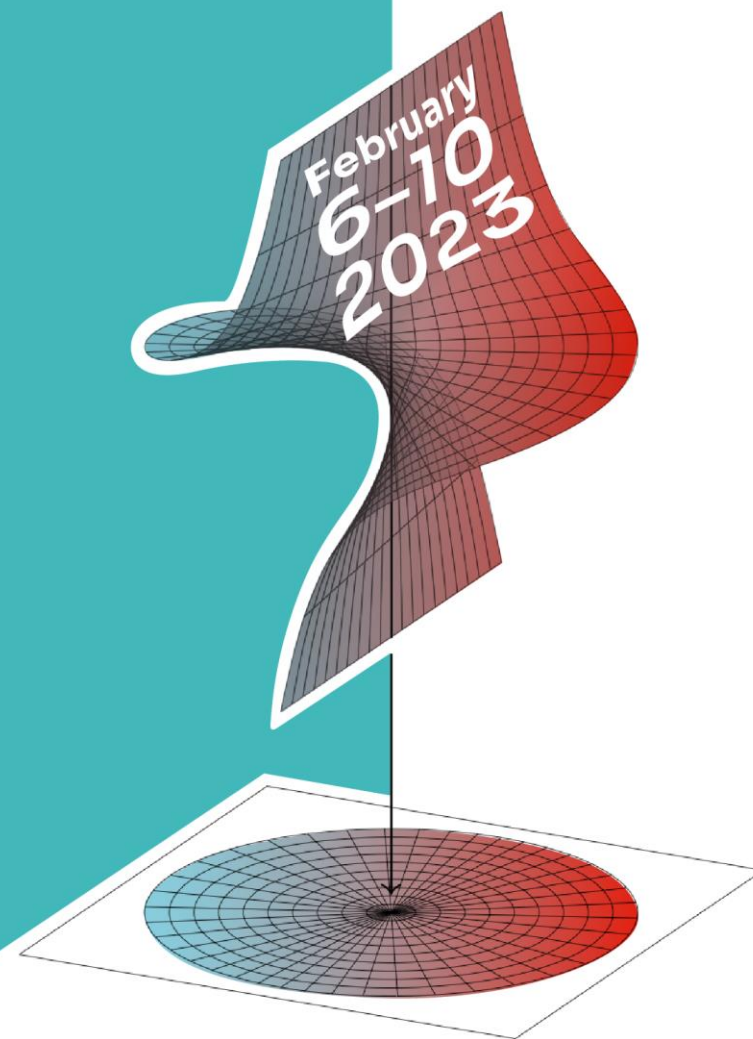
CERTIFICATE

We hereby certify that Frederico Rossetto Bianchini, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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ALGA** (Commutative
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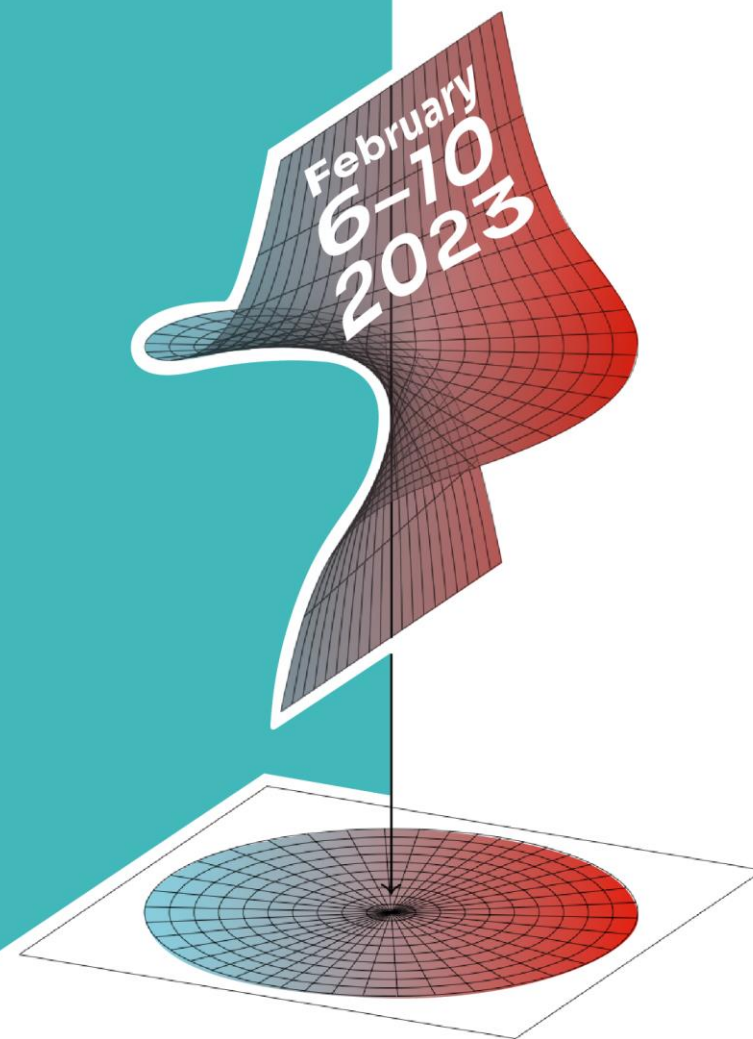
CERTIFICATE

We hereby certify that Gabriel Barruci da Silva, Universidade Federal do Rio de Janeiro (UFRJ), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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**15th
ALGA** (Commutative
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Support:



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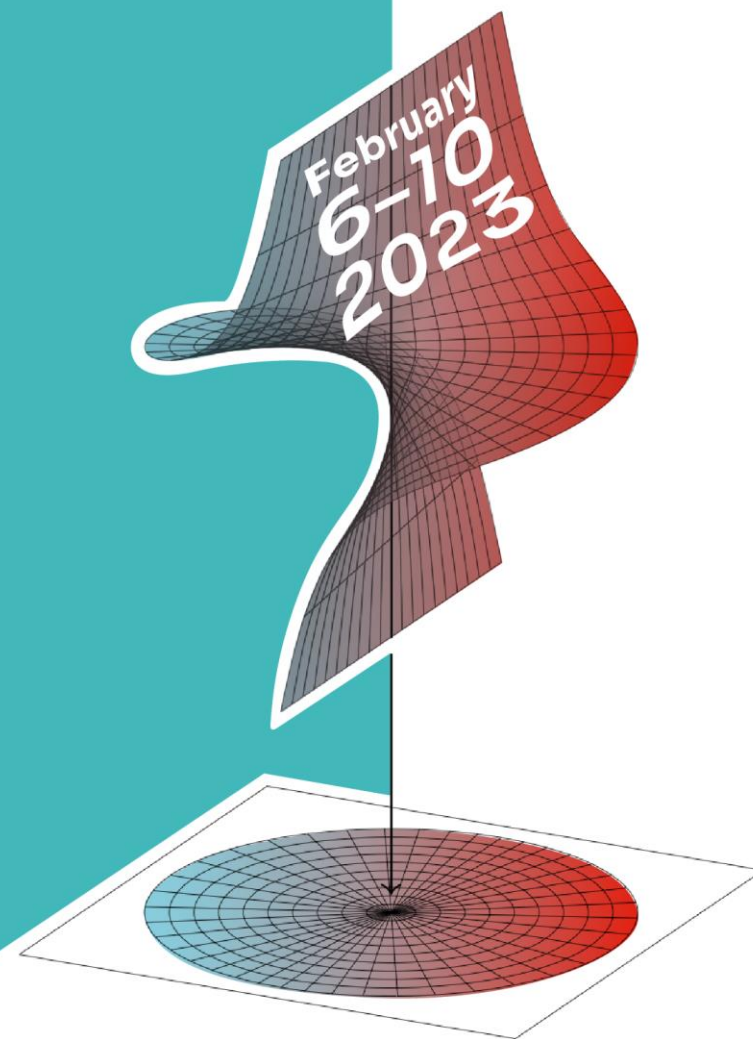
We hereby certify that Gabriel Fazoli Domingos, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.



Carolina B. Araujo
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15th ALGA

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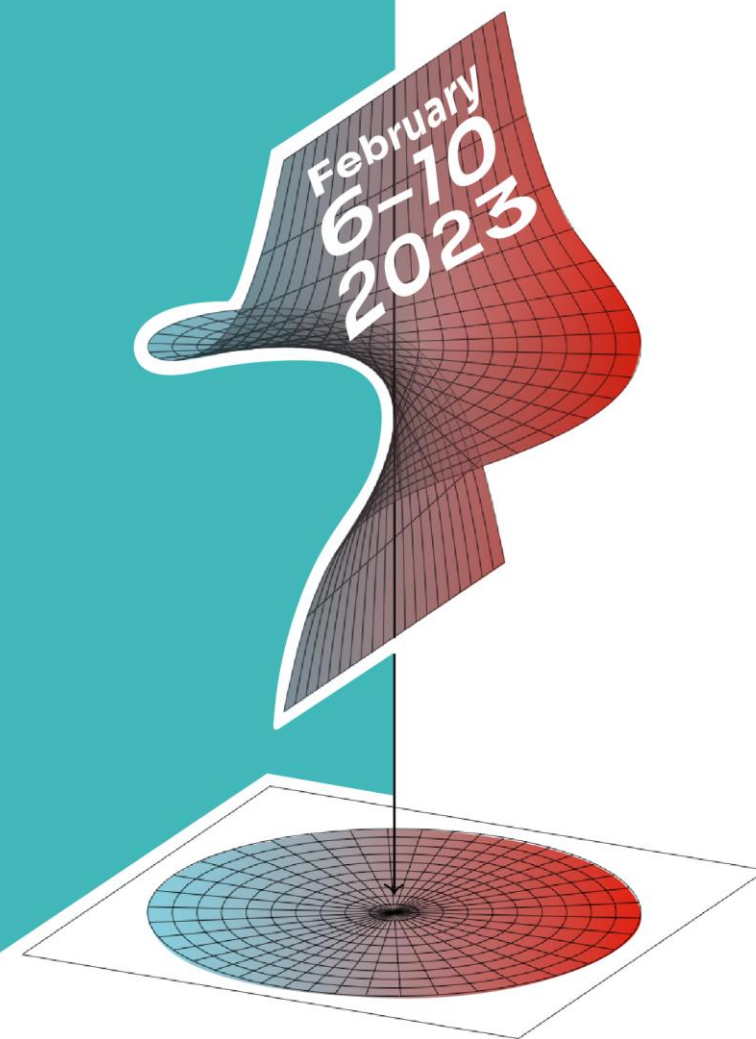
CERTIFICATE

We hereby certify that Gabriel Fernandes Lauria Pereira, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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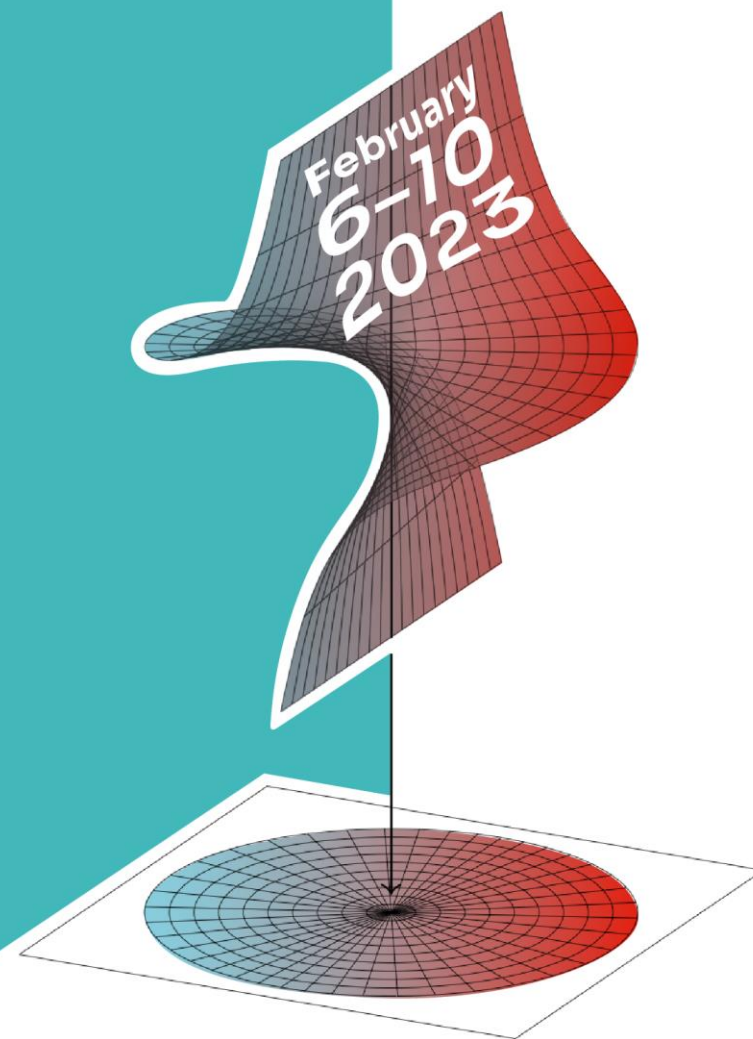
CERTIFICATE

We hereby certify that Gabriela Gomes Gularte, Universidade Estadual de Campinas (UNICAMP), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

**15th
ALGA** (Commutative
Algebra and
Algebraic
Geometry)



Organizer:



Support:



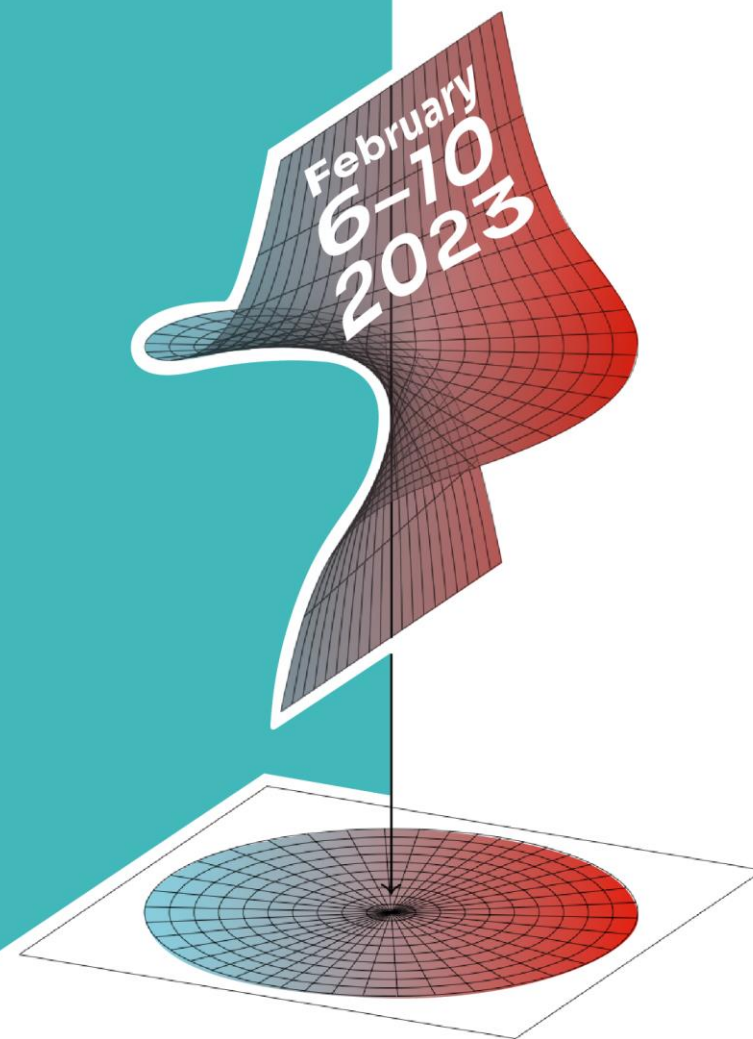
CERTIFICATE

We hereby certify that Geisa Gama Oliveira, Universidade Federal de Pernambuco (UFPE), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

**15th
ALGA** (Commutative
Algebra and
Algebraic
Geometry)



Organizer:



Support:



CERTIFICATE

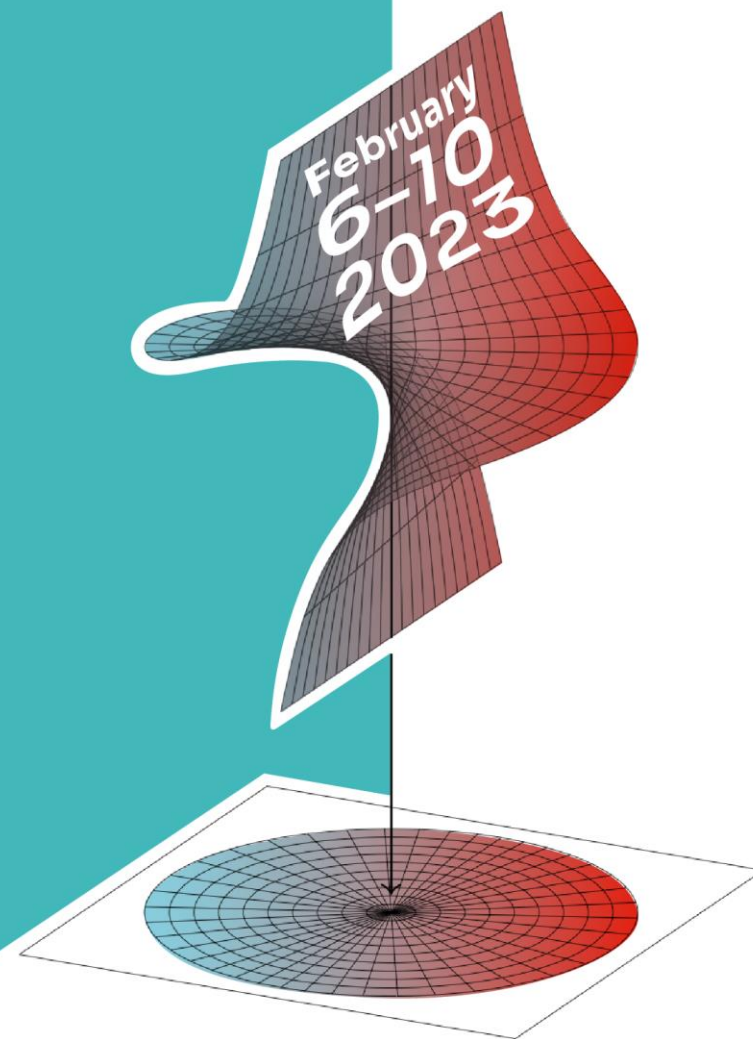
We hereby certify that Gleb Smirnov, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

15th ALGA

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Organizer:



Support:



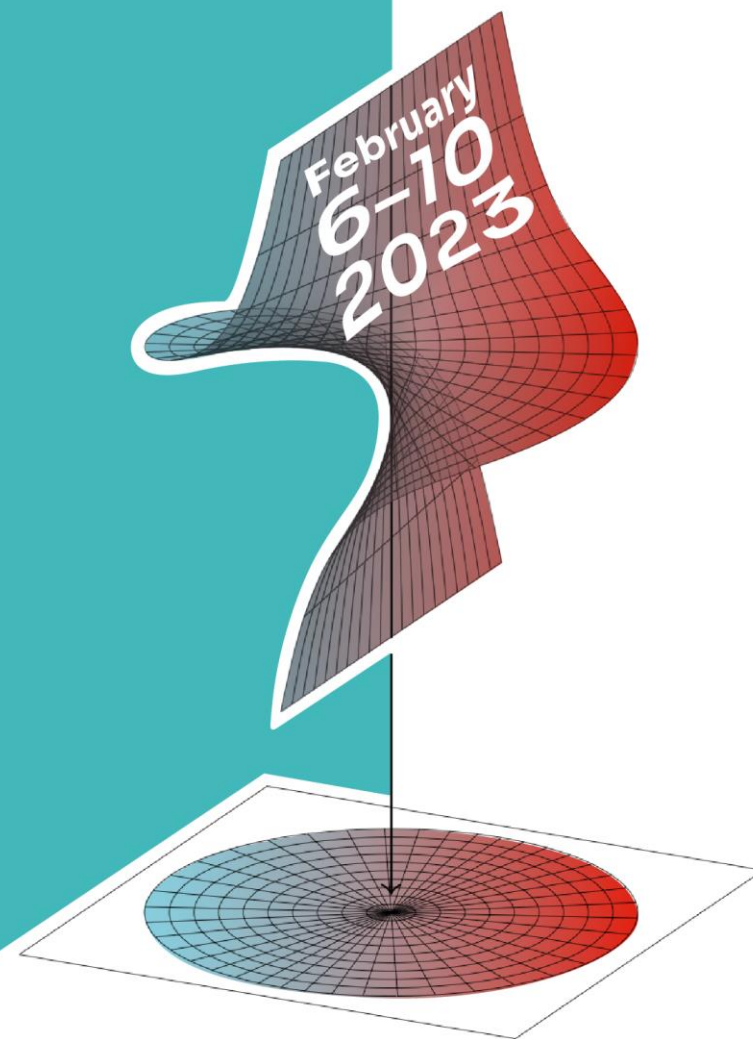
CERTIFICATE

We hereby certify that Guido Neulaender, Universidade Estadual de Campinas (UNICAMP), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

15th
ALGA
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Geometry)



Organizer:



Support:



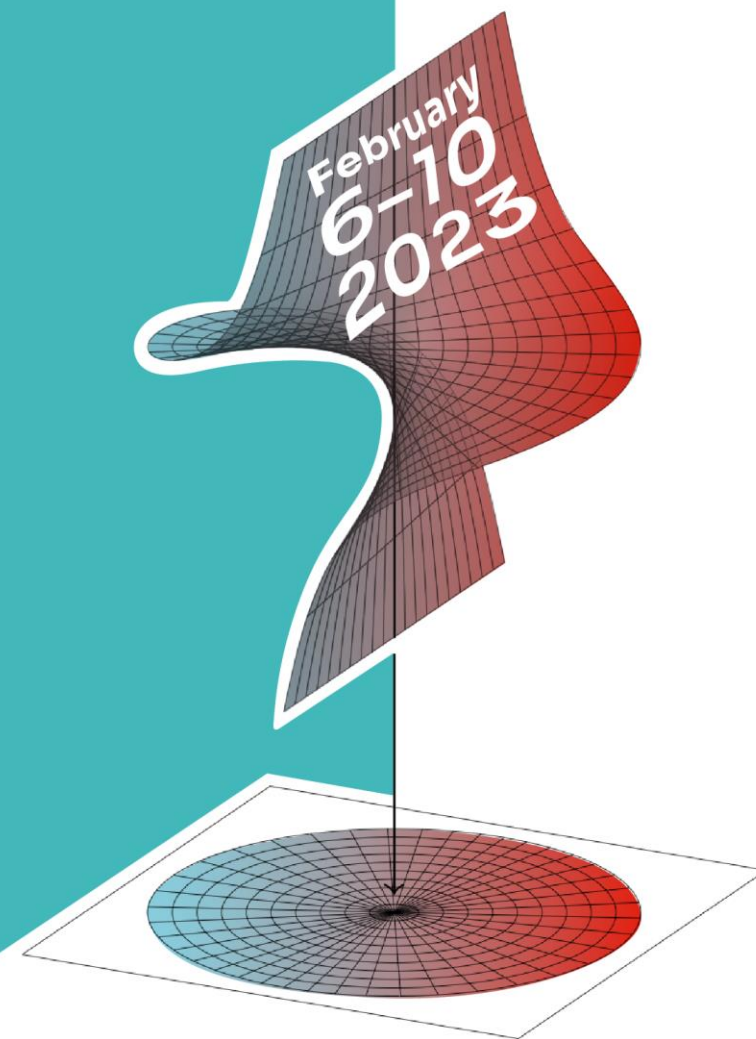
CERTIFICATE

We hereby certify that Guilherme Israel Vedana, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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**15th
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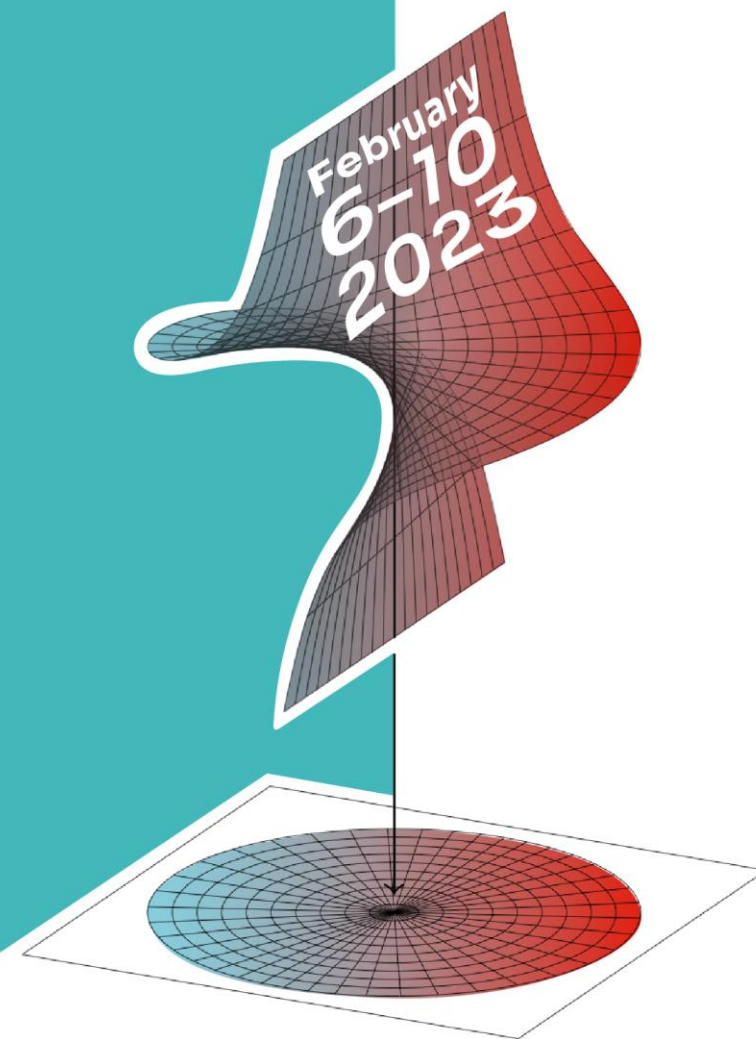
CERTIFICATE

We hereby certify that Herivelto Martins Borges Filho, Universidade de São Paulo (USP), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

15th
ALGA
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Geometry)



Organizer:



Support:



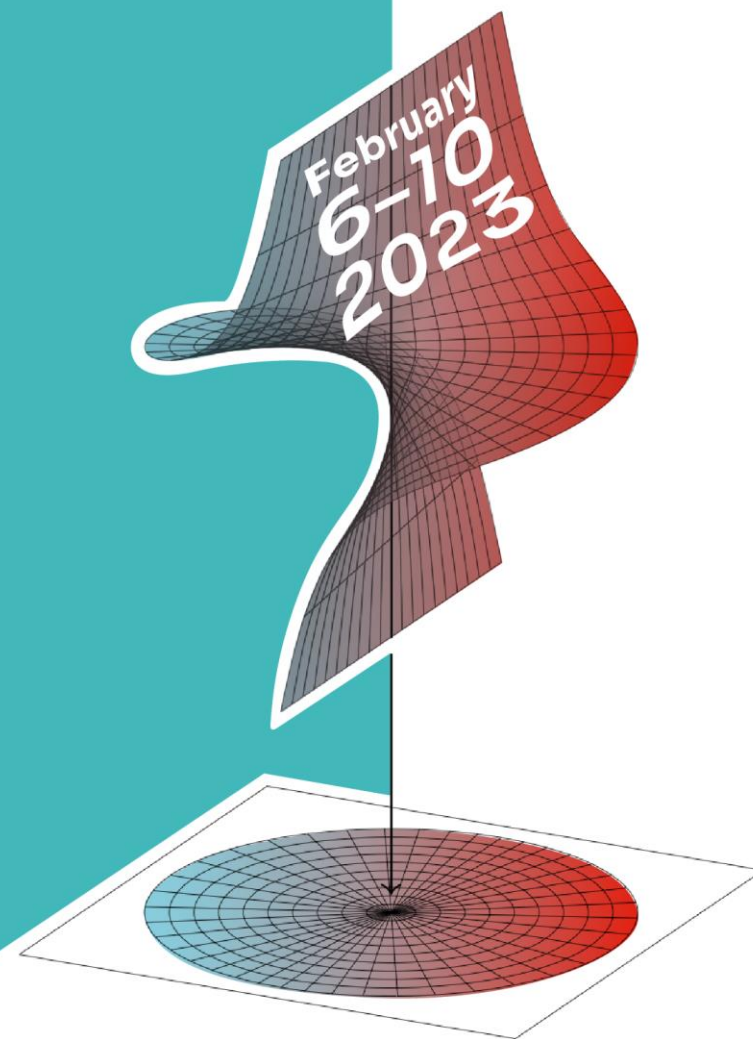
CERTIFICATE

We hereby certify that Joao Guilherme Fritsche Colombo, Universidade Federal de Santa Catarina (UFSC), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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**15th
ALGA** (Commutative
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Organizer:



Support:



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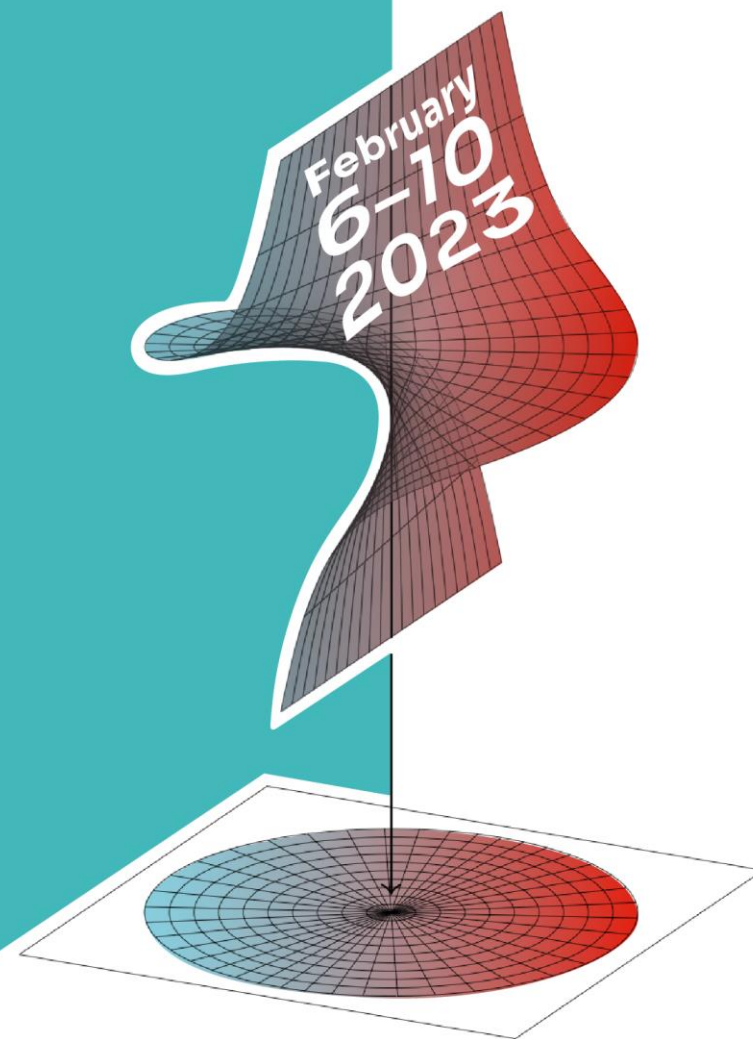
We hereby certify that João Paulo Lindquist Figueredo, Universidade Federal de Minas Gerais (UFMG), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.



Carolina B. Araujo
Coordinator

15th ALGA

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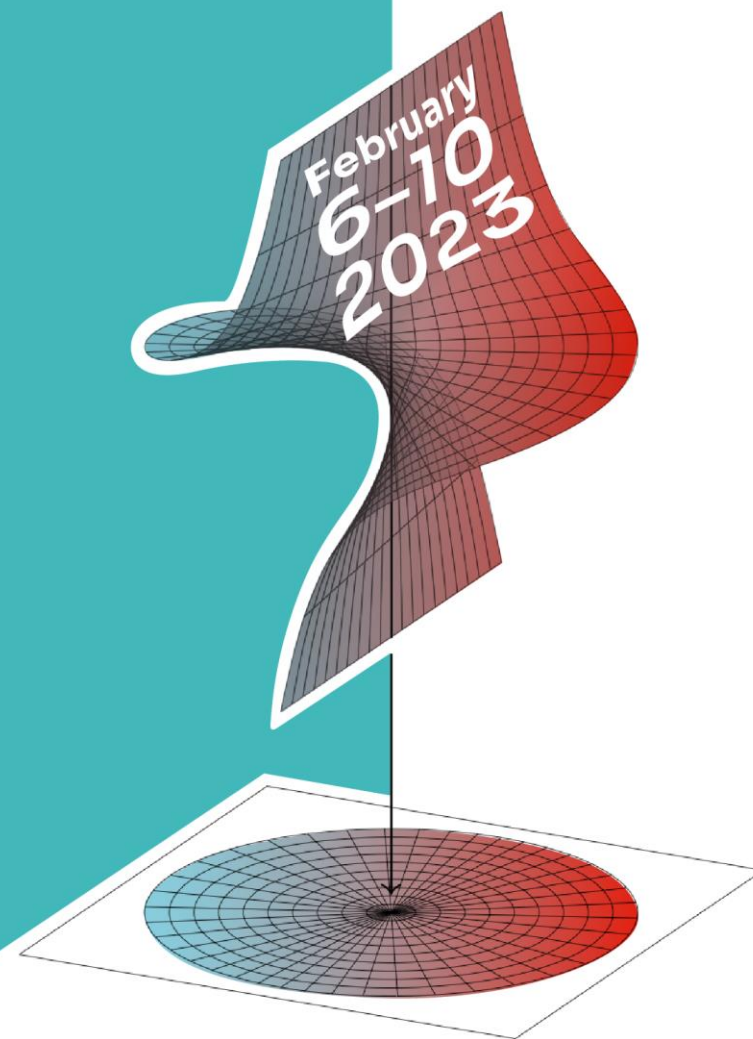
CERTIFICATE

We hereby certify that João Victor Alves Silveira, Fundação Universidade Federal de Viçosa (UFV), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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**15th
ALGA** (Commutative
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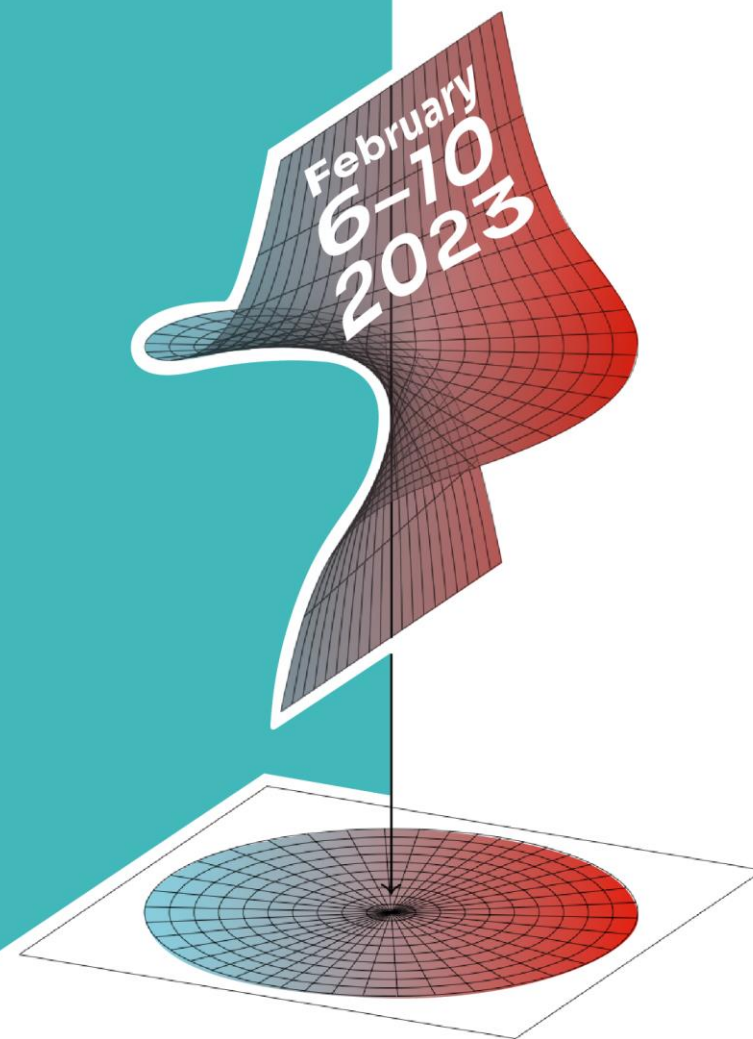
We hereby certify that Jônatas Marinho Santos Júnior, Universidade Federal do Ceará (UFC), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.



Carolina B. Araujo
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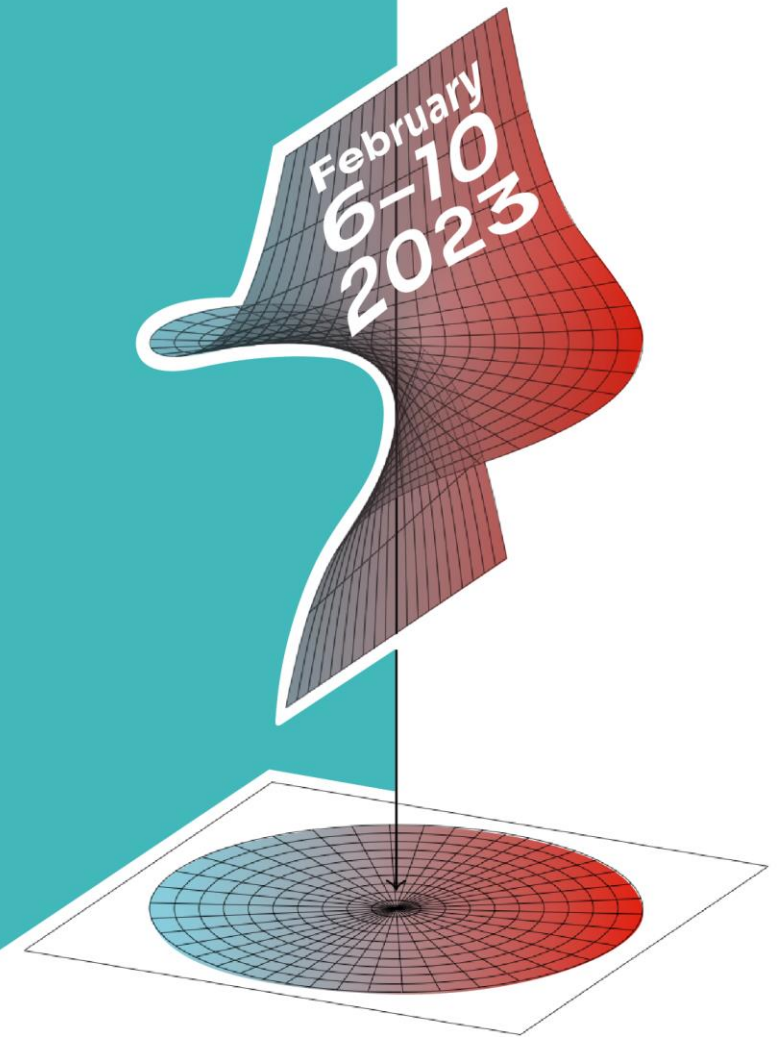
We hereby certify that Jorge Armando Duque Franco, Universidad De Chile, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th ALGA

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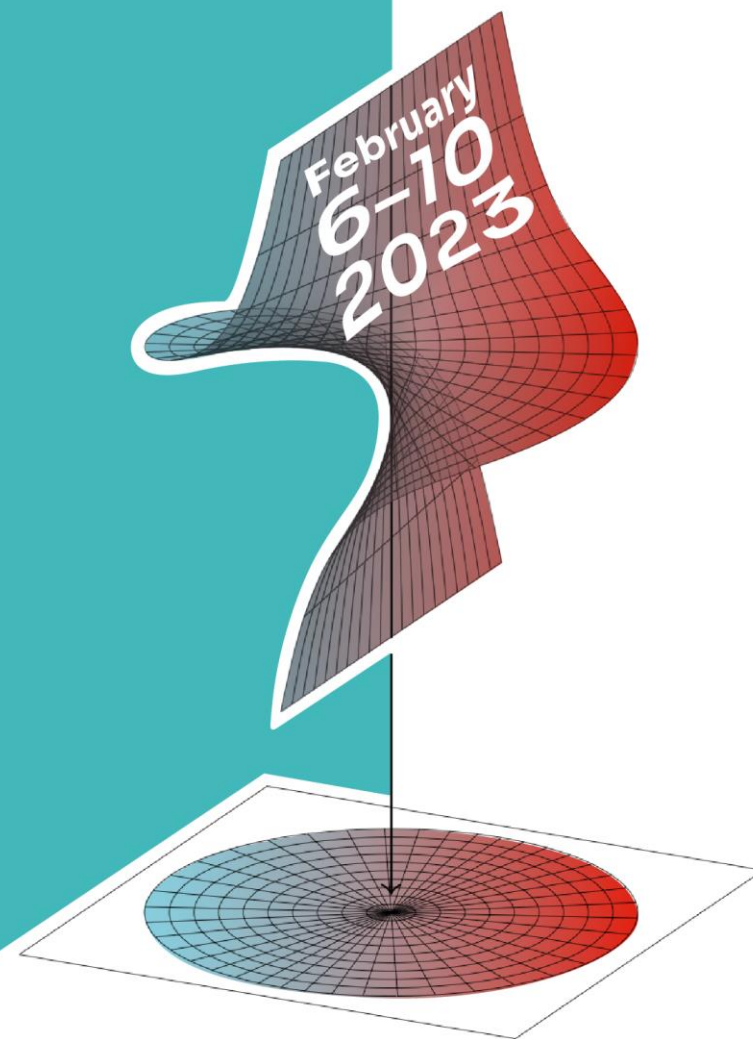
CERTIFICATE

We hereby certify that Jorge Vitório Bacellar Dos Santos Pereira, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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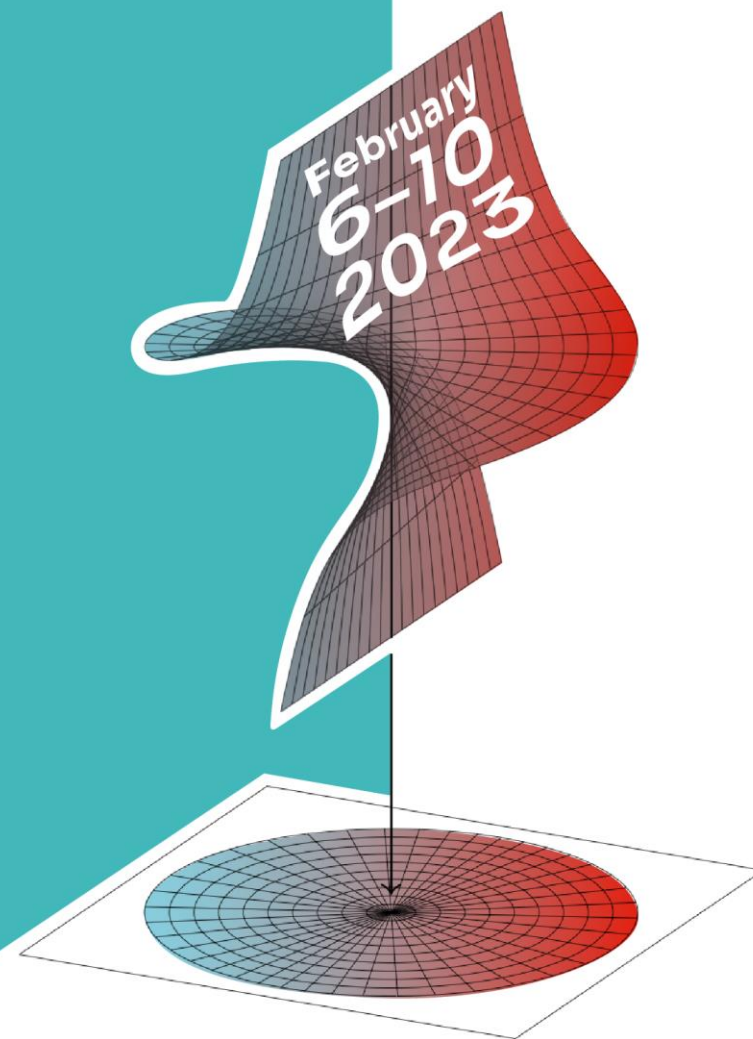
We hereby certify that Josielson Lira Matos, Faculdade Teológica Batista do Paraná (FTBP), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th ALGA

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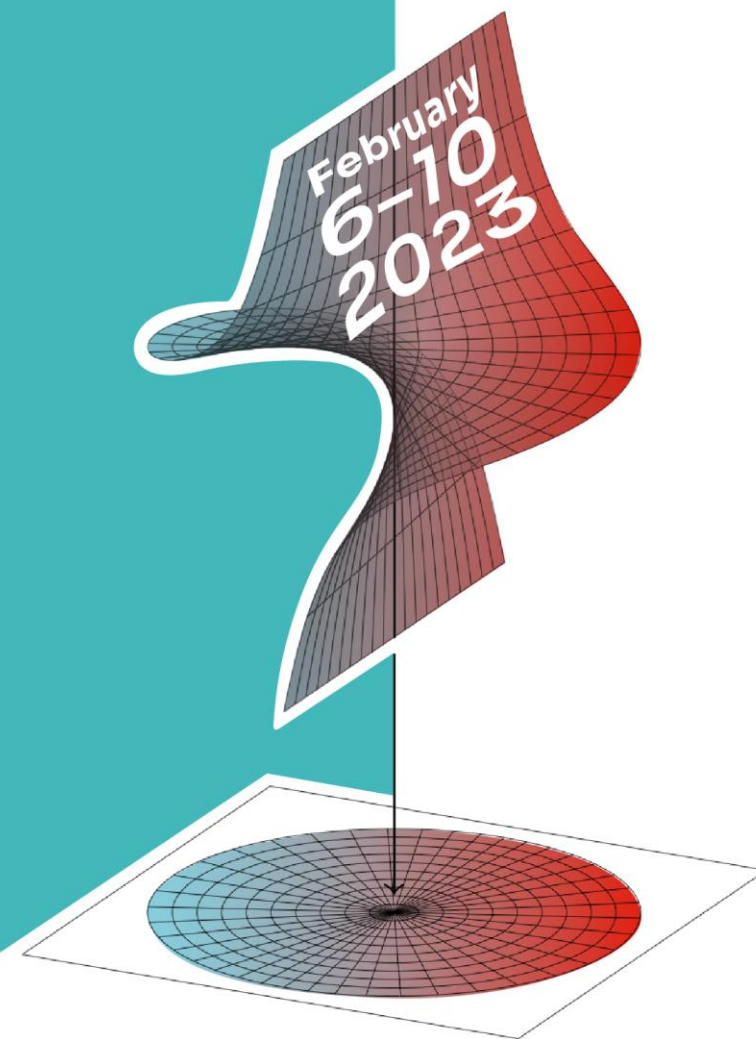
We hereby certify that Juan Carlos da Silva, Universidade Estácio De Sá, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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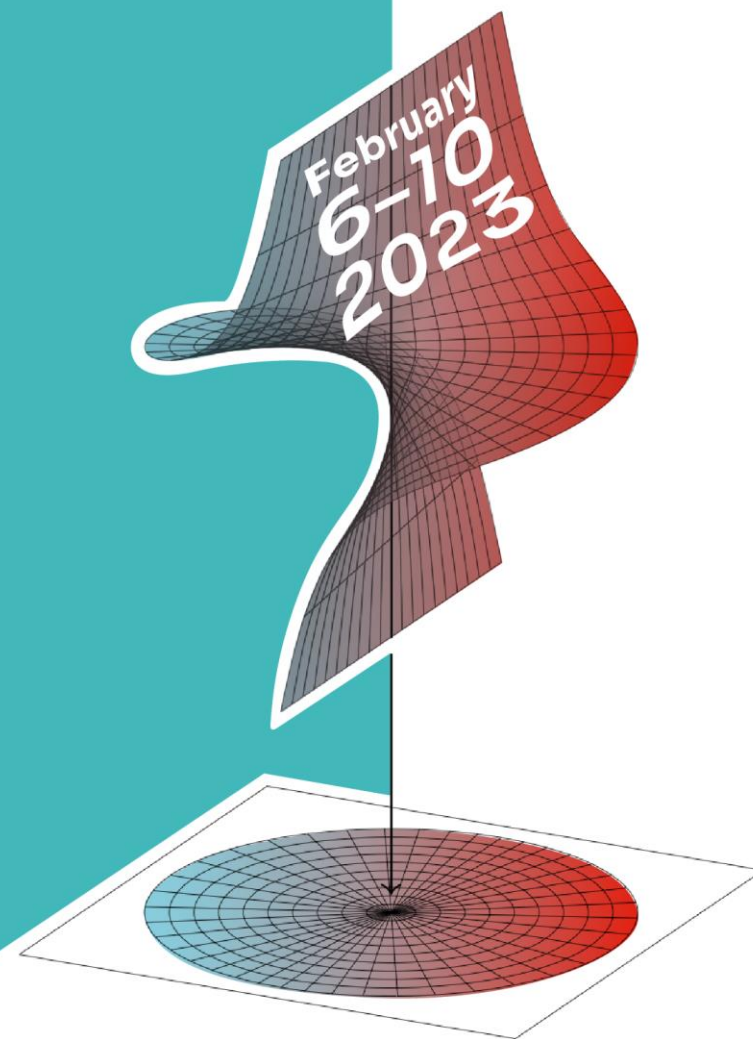
CERTIFICATE

We hereby certify that Juliana Coelho Chaves, Universidade Federal Fluminense (UFF), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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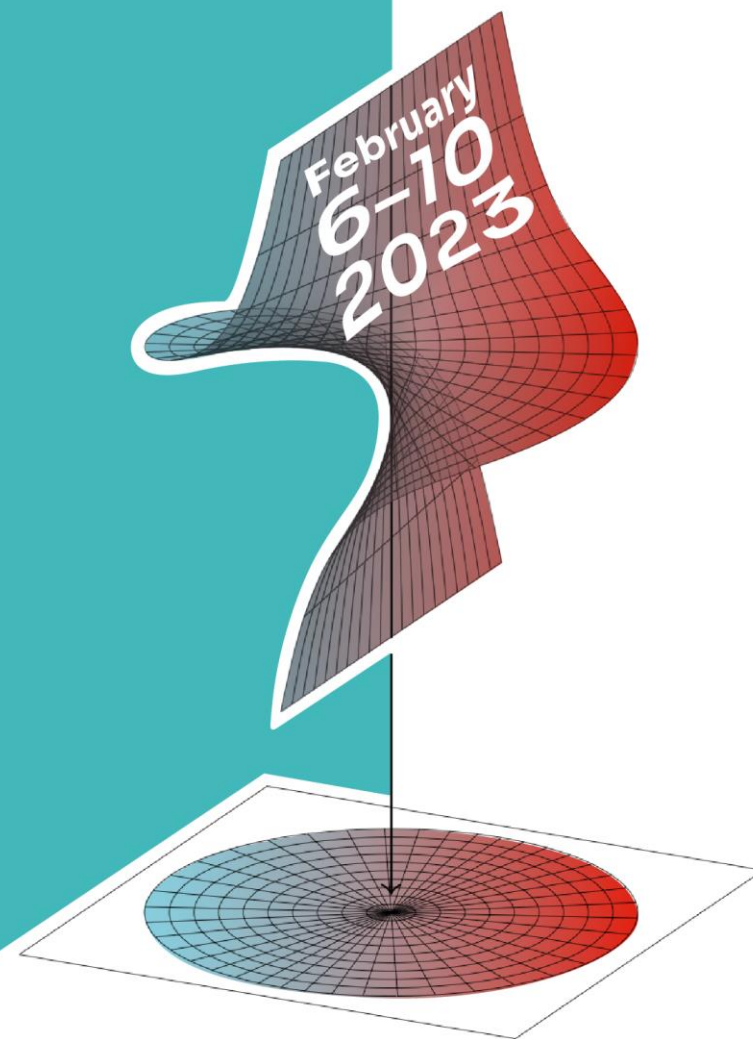
CERTIFICATE

We hereby certify that Kezia P. Carvalho, Universidade Federal de Pernambuco (UFPE), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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Coordinator

15th
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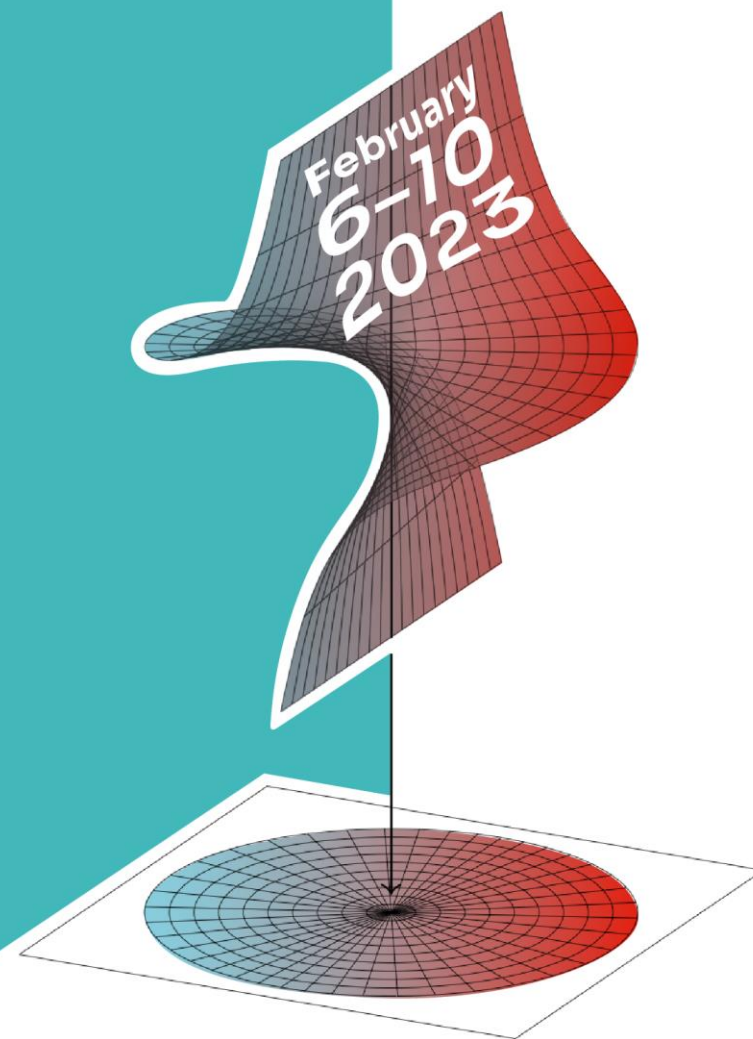
CERTIFICATE

We hereby certify that Lenin Alexandre de Almeida Bezerra, Universidade Federal de Pernambuco (UFPE), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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**15th
ALGA** (Commutative
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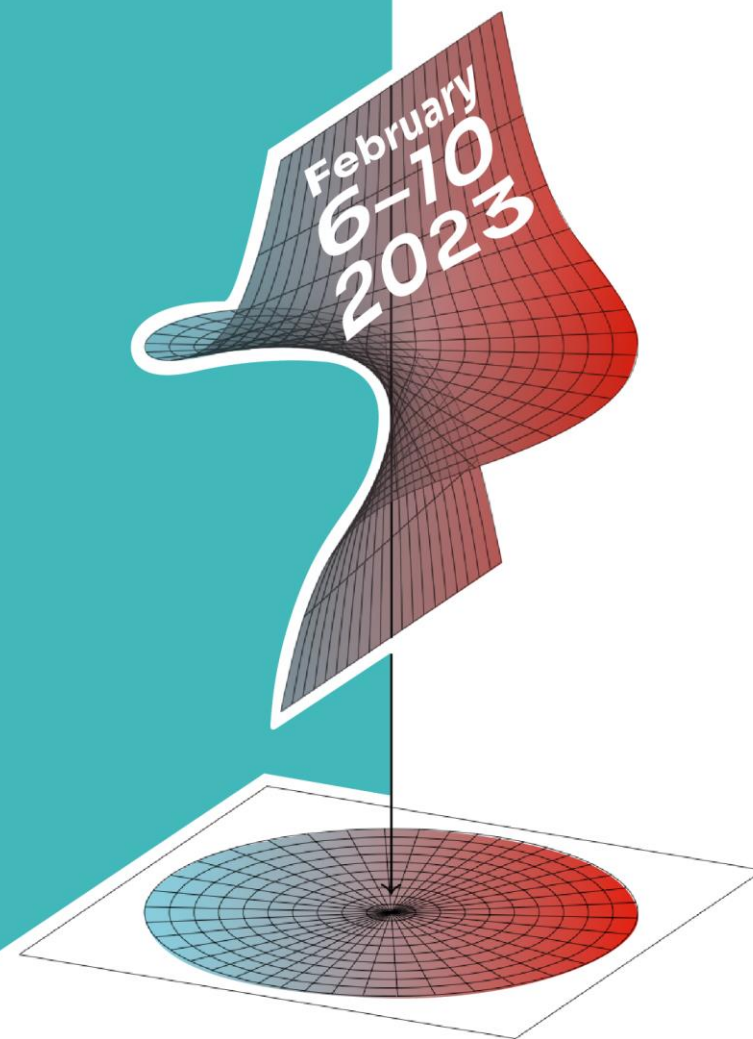
We hereby certify that Leonardo Silva de Oliveira, Universidade Federal de Minas Gerais (UFMG), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th ALGA

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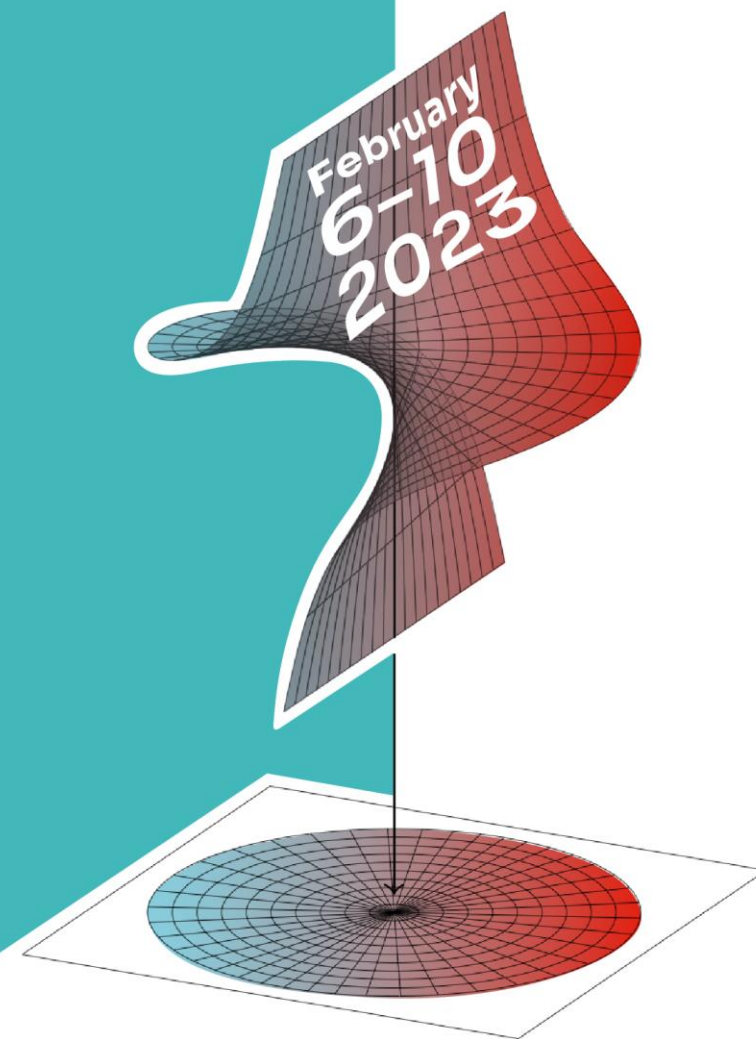
We hereby certify that Luana Aparecida Soares Costa, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.



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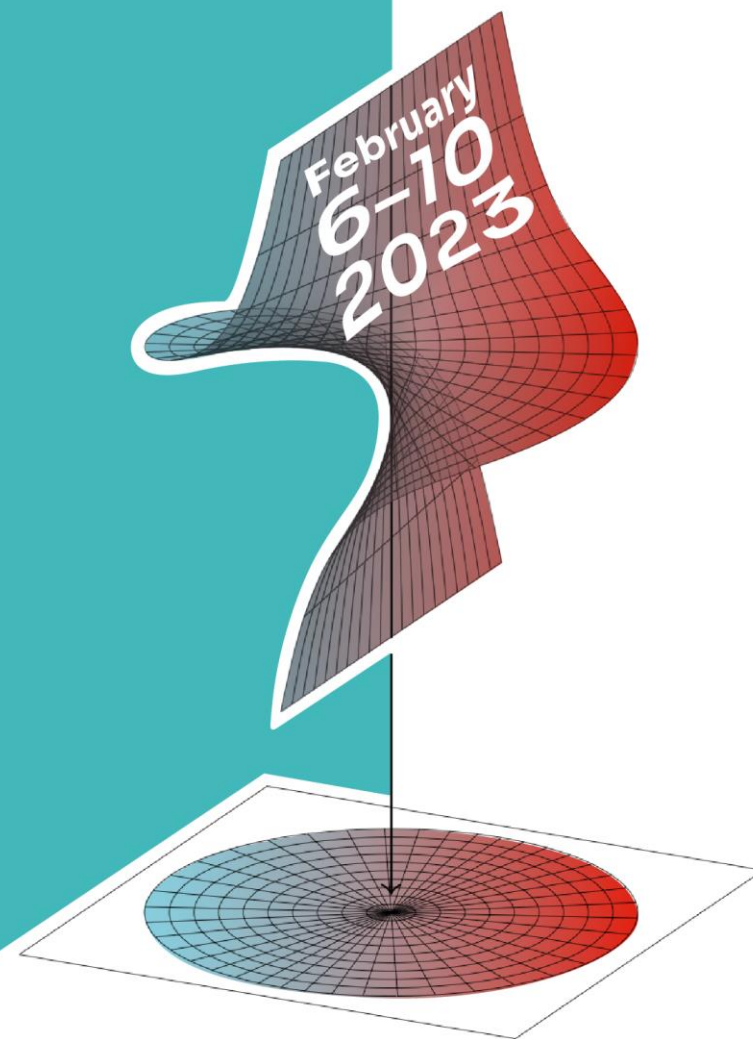
CERTIFICATE

We hereby certify that Lucas da Silva Reis, Universidade Federal de Minas Gerais (UFMG), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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15th
ALGA
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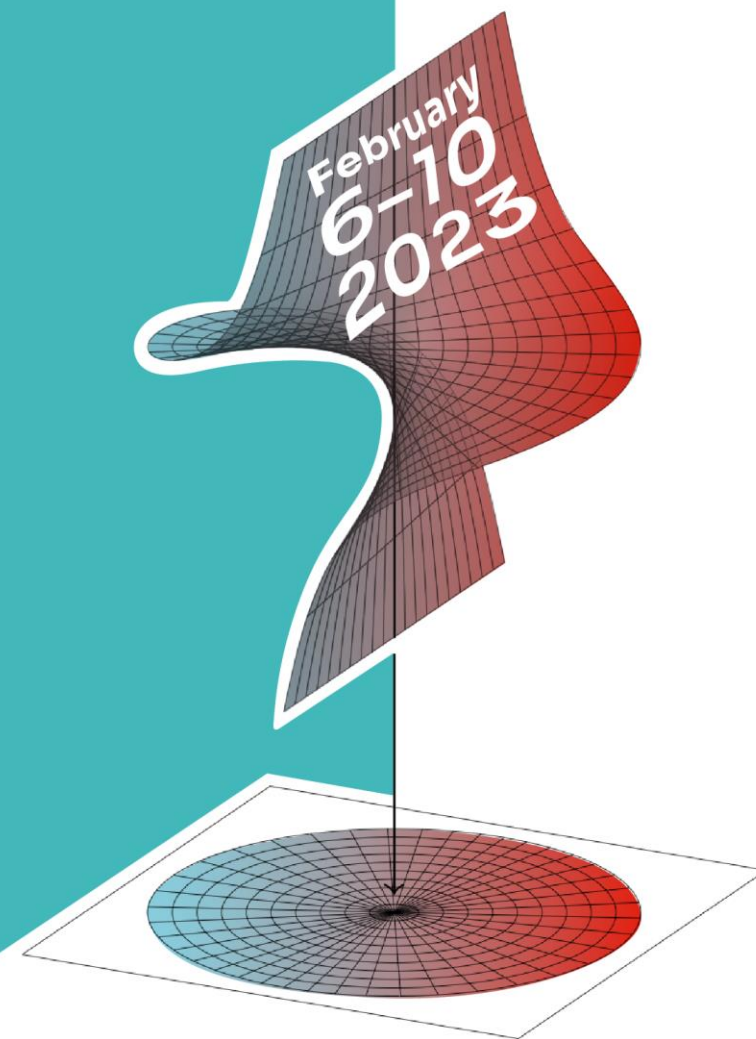
CERTIFICATE

We hereby certify that Luciane Quoos, Universidade Federal do Rio de Janeiro (UFRJ), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th
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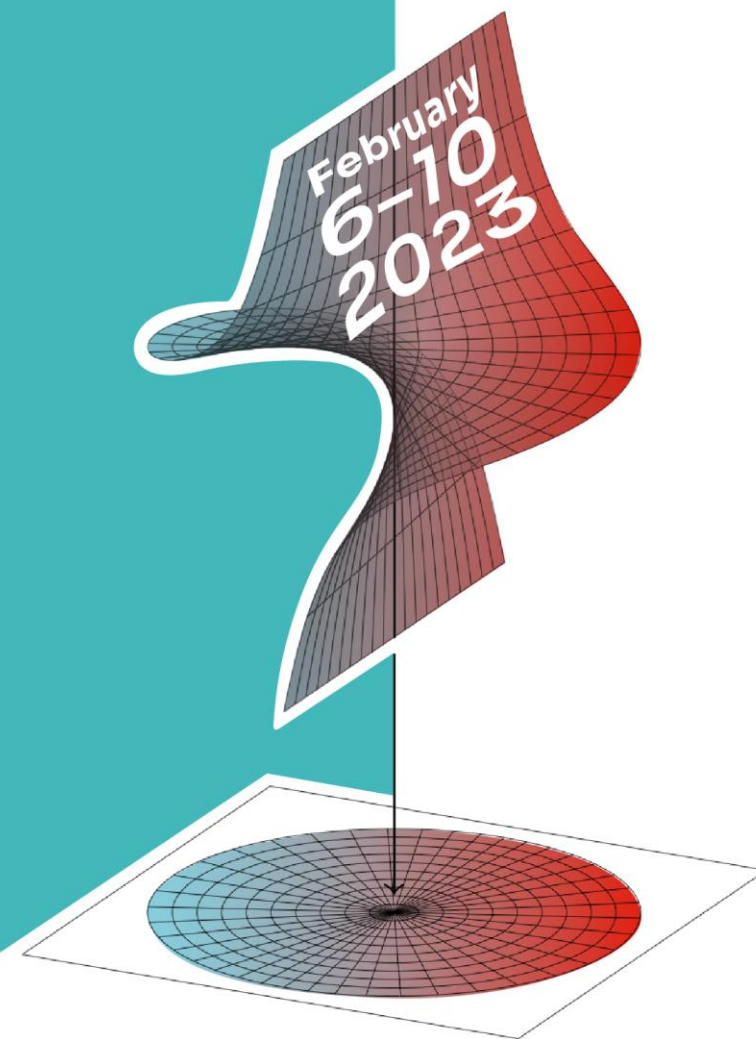
CERTIFICATE

We hereby certify that Luísa Ranção Miranda, Fundação Universidade Federal de Viçosa (UFV), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th
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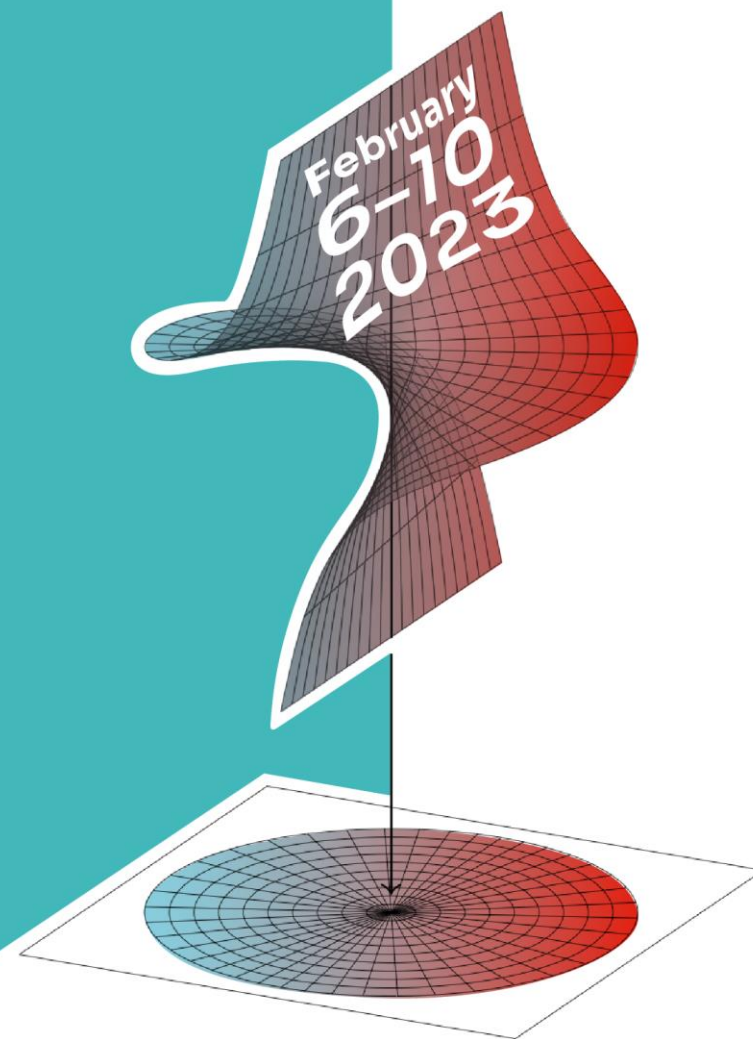
CERTIFICATE

We hereby certify that Luíze Mello d'Urso Vianna, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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Coordinator

**15th
ALGA** (Commutative
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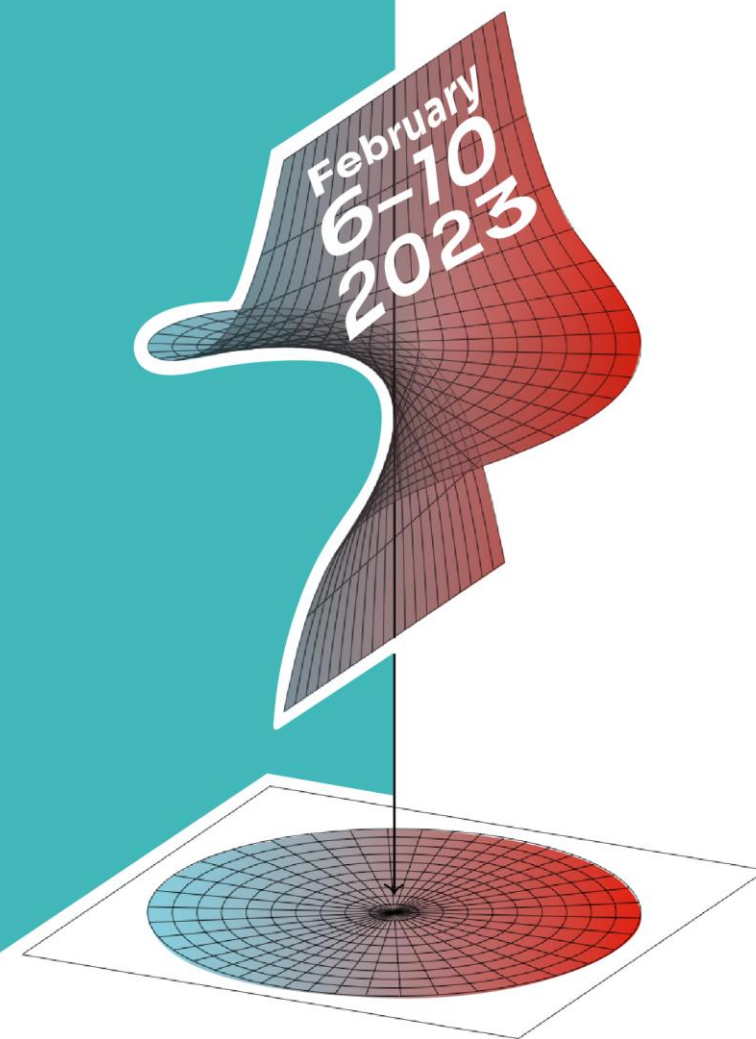
CERTIFICATE

We hereby certify that Mahmut Telles Cansiz, Universidade Federal do Parana (UFPR), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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Coordinator

**15th
ALGA** (Commutative
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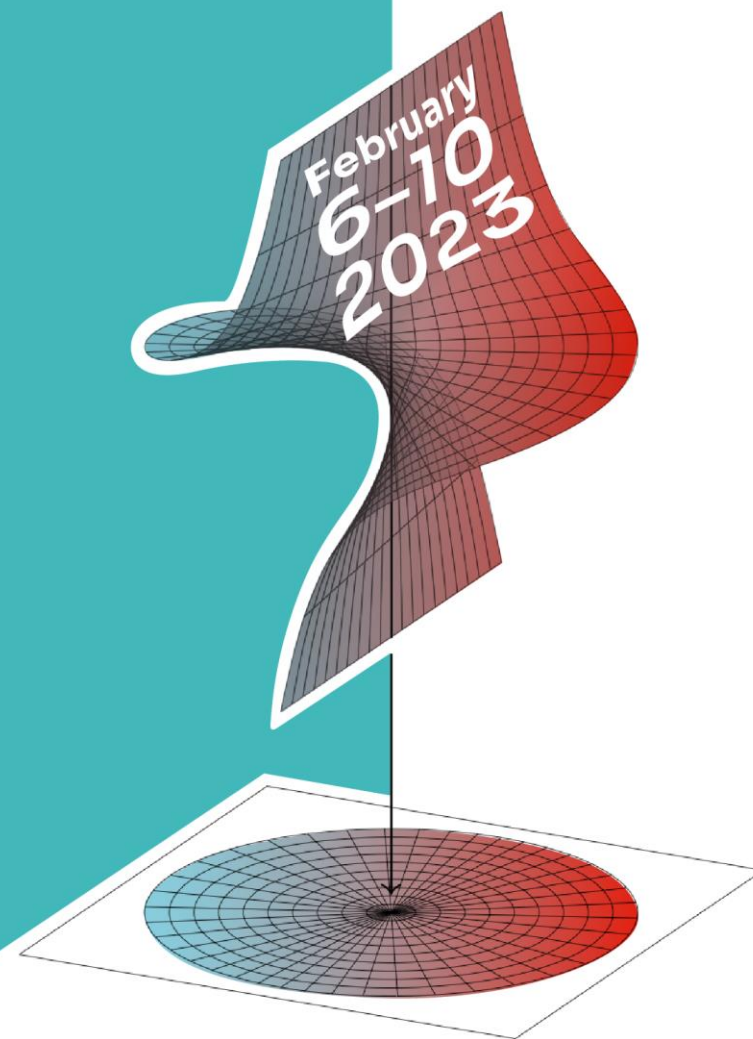
CERTIFICATE

We hereby certify that Manoel da Silva Oliveira, Universidade Federal Fluminense (UFF), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

**15th
ALGA** (Commutative
Algebra and
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Geometry)



Organizer:



Support:



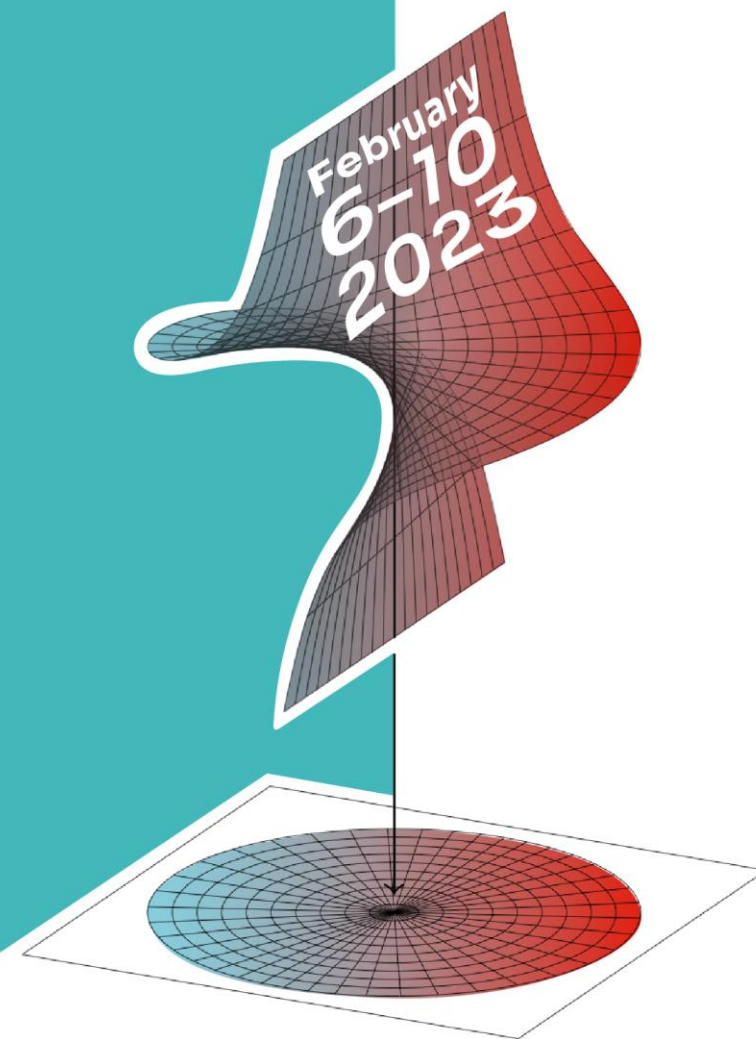
CERTIFICATE

We hereby certify that Maral Mostafazadehfard, Universidade Federal do Rio de Janeiro (UFRJ), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

**15th
ALGA** (Commutative
Algebra and
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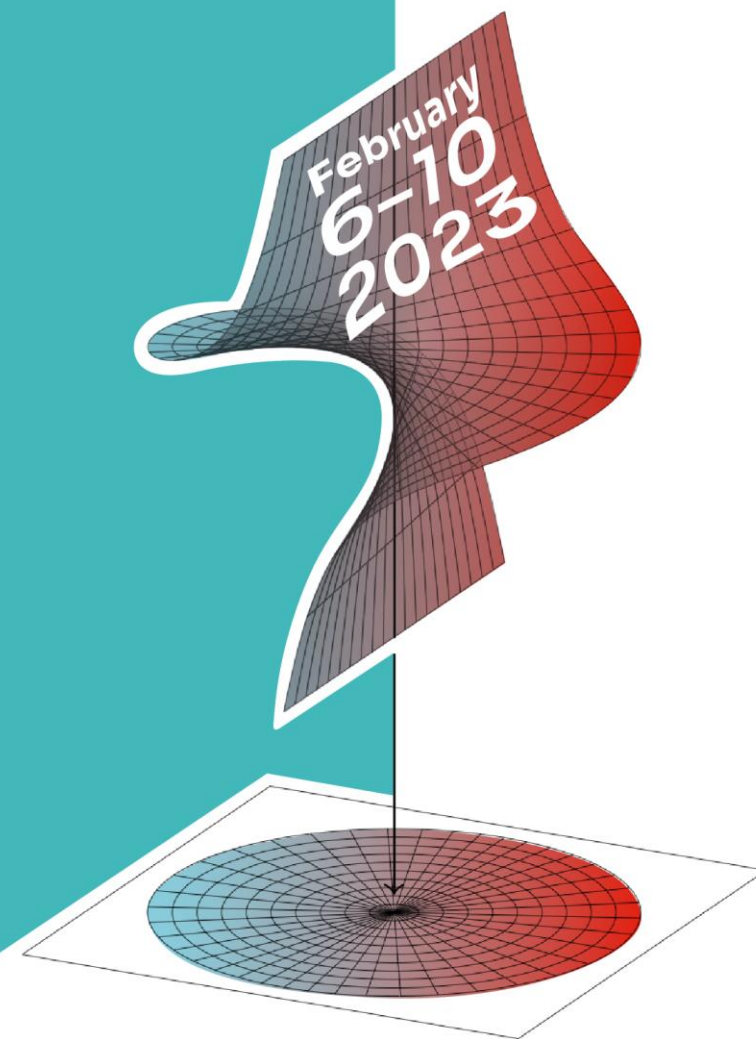
CERTIFICATE

We hereby certify that Marco Pacini, Universidade Federal Fluminense (UFF), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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Coordinator

**15th
ALGA** (Commutative
Algebra and
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Organizer:



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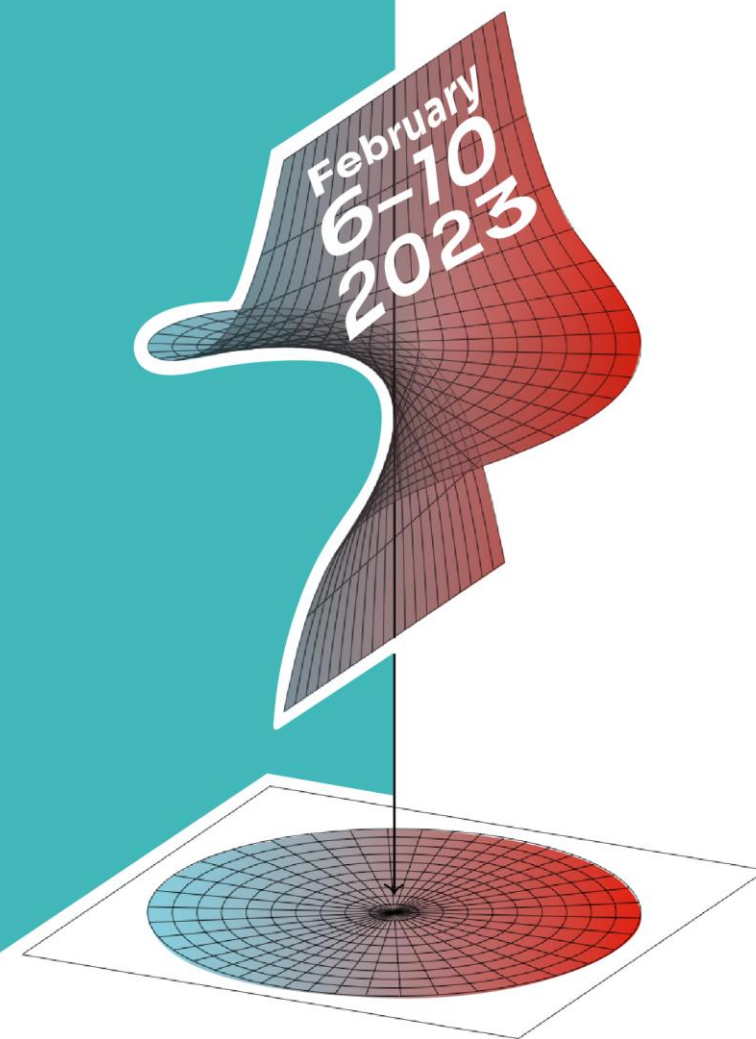
We hereby certify that Maria Bras-Amorós, Universitat Rovira i Virgili, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th ALGA

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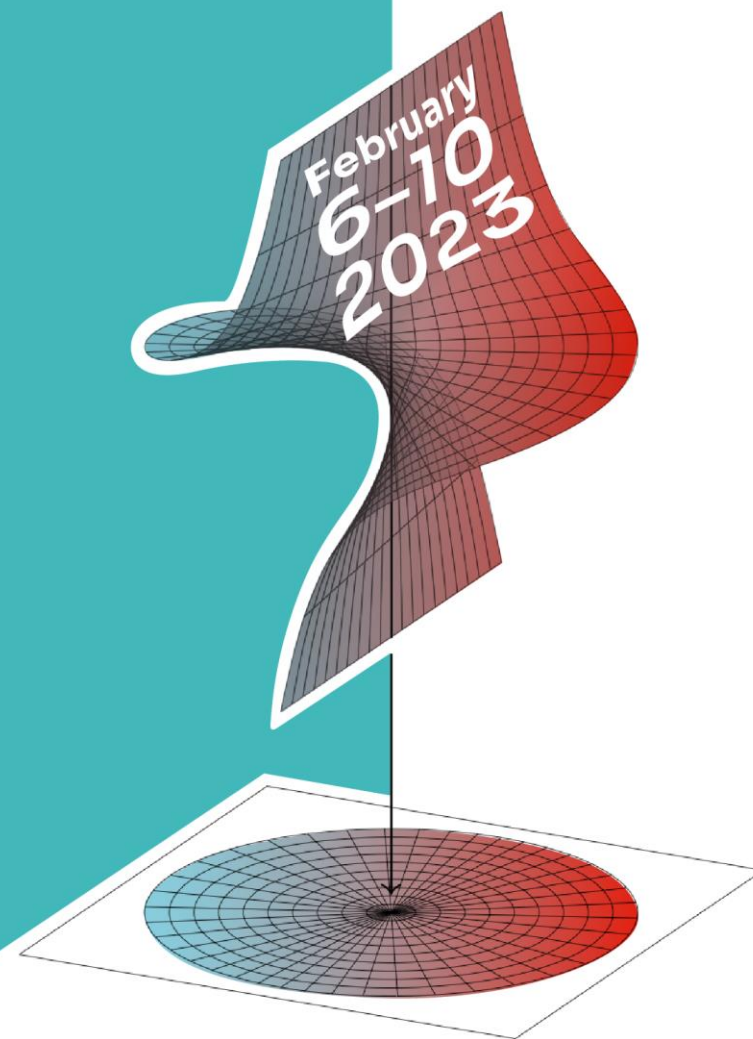
CERTIFICATE

We hereby certify that Mariana de Oliveira Lourenço, Universidade Federal de Minas Gerais (UFMG), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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**15th
ALGA** (Commutative
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Support:



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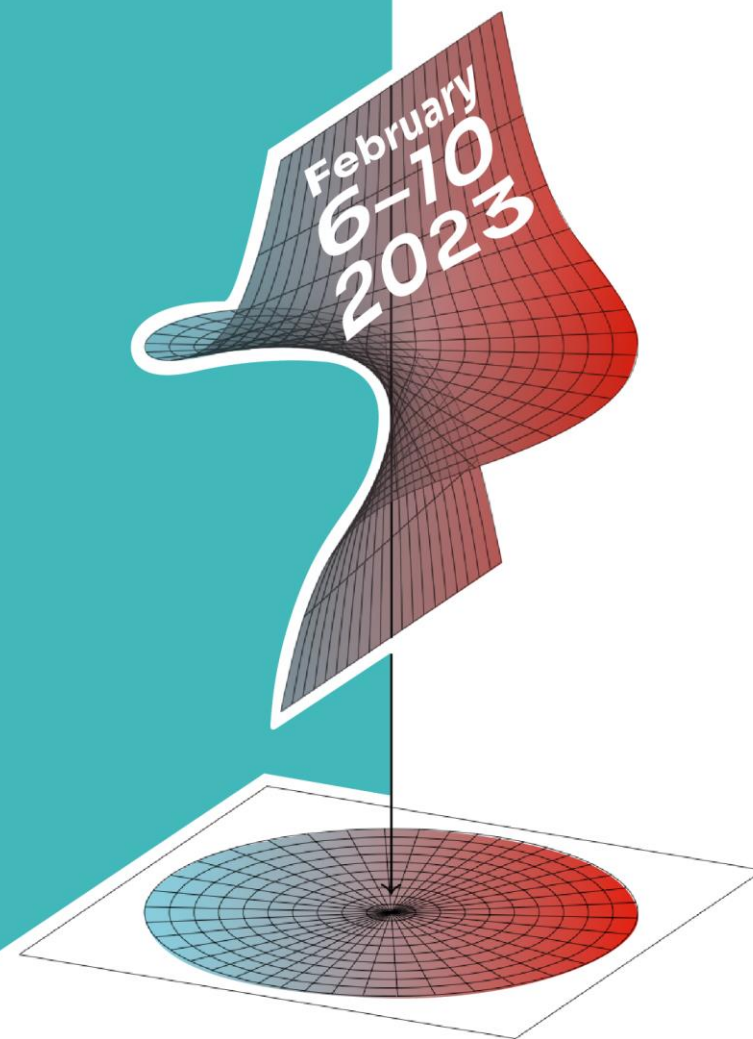
We hereby certify that Mariana Rosas Ribeiro, Universitat Rovira i Virgili, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th ALGA

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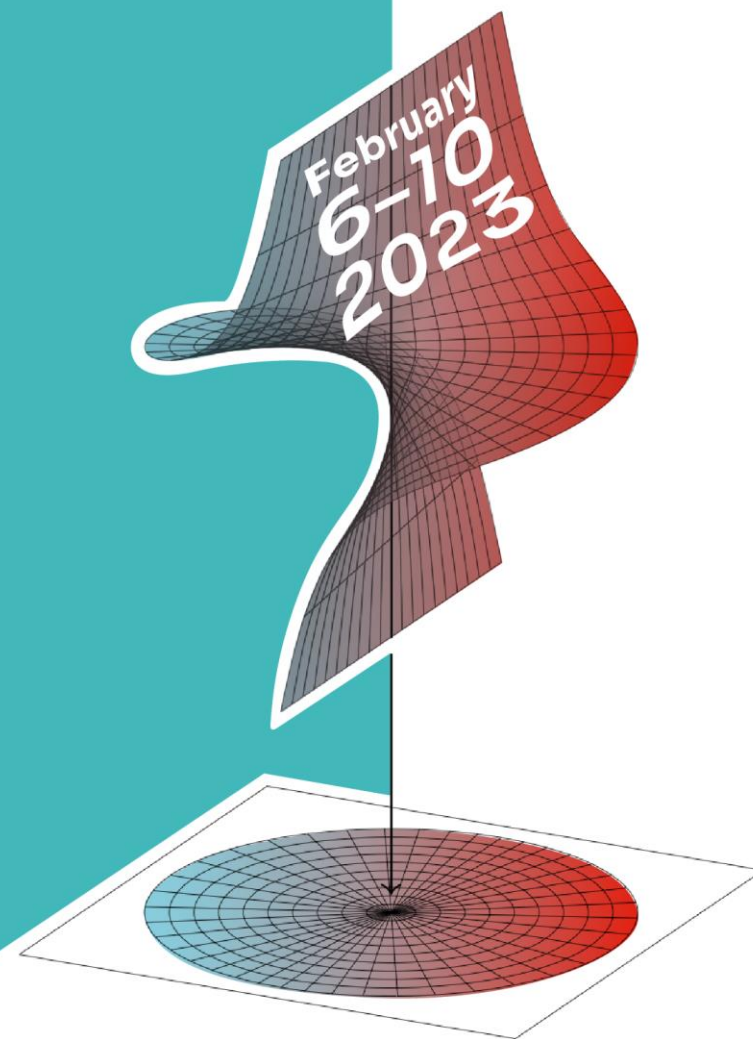
CERTIFICATE

We hereby certify that Matías Nicolás Contreras Rojas, Pontificia Universidad Católica De Chile, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th
ALGA (Commutative
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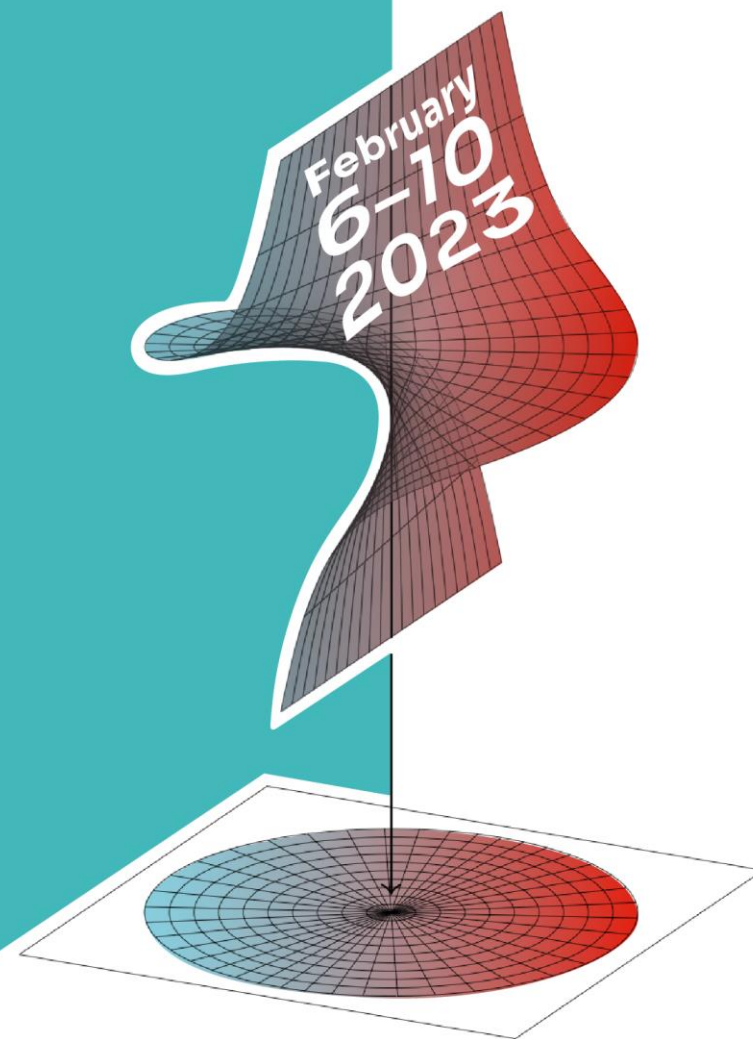
We hereby certify that Michel Okuma, Universidade Federal Fluminense (UFF), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th ALGA

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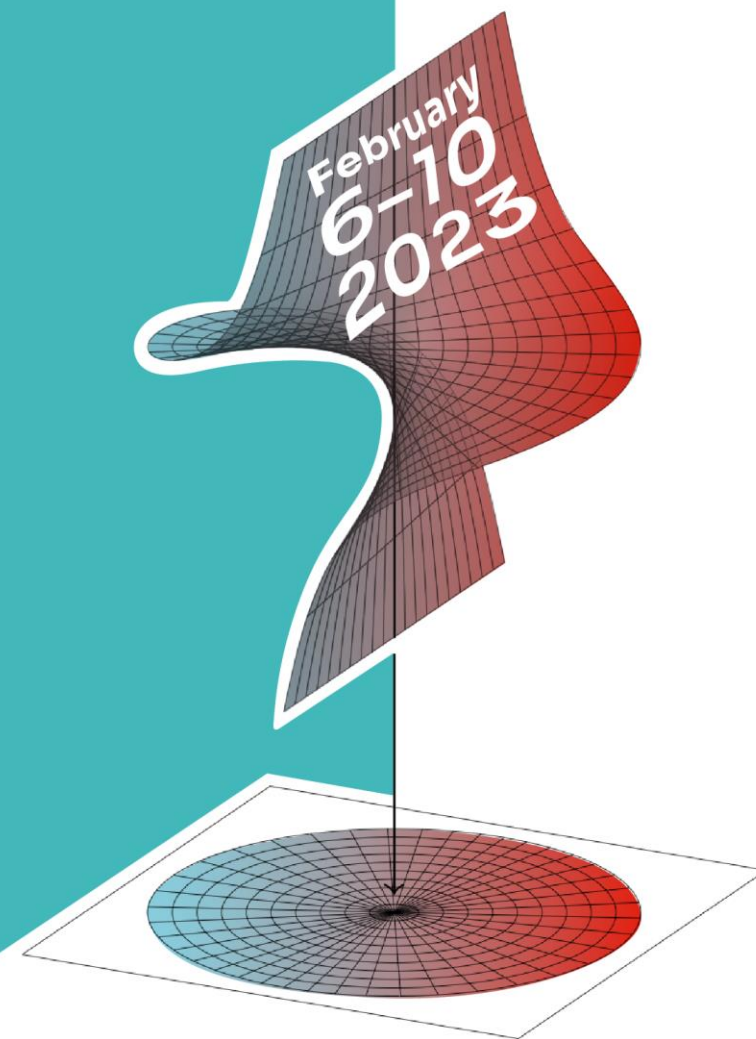
We hereby certify that Nelson Roberto Weirich Junior, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.



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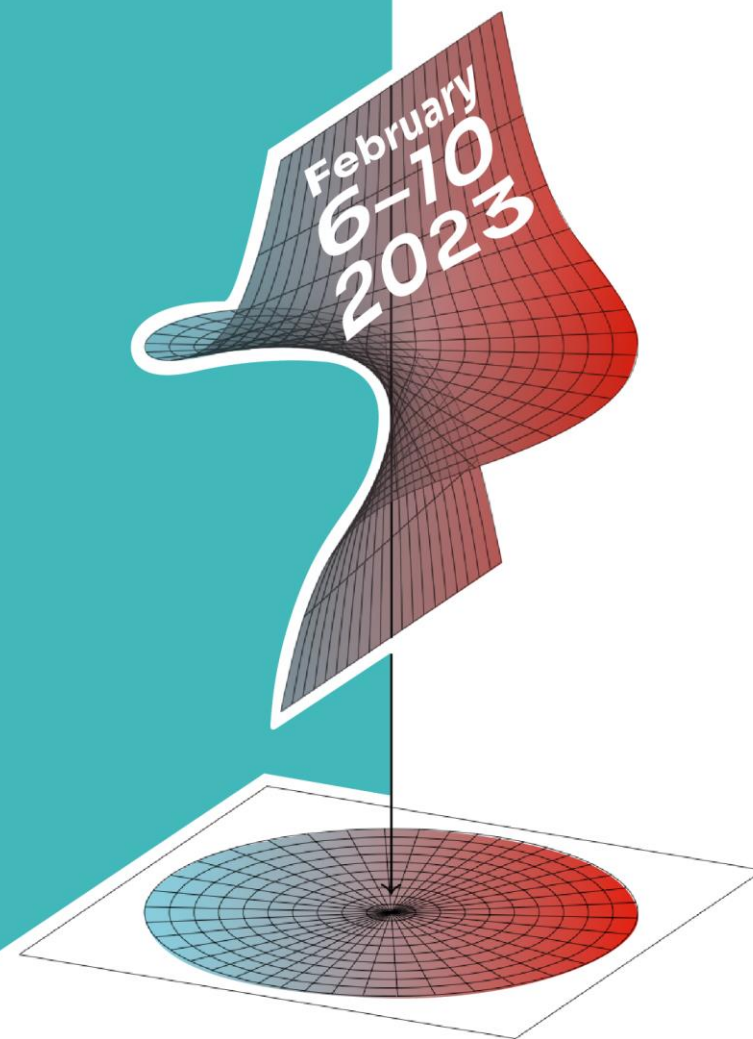
We hereby certify that Nivaldo Medeiros, Universidade Federal Fluminense (UFF), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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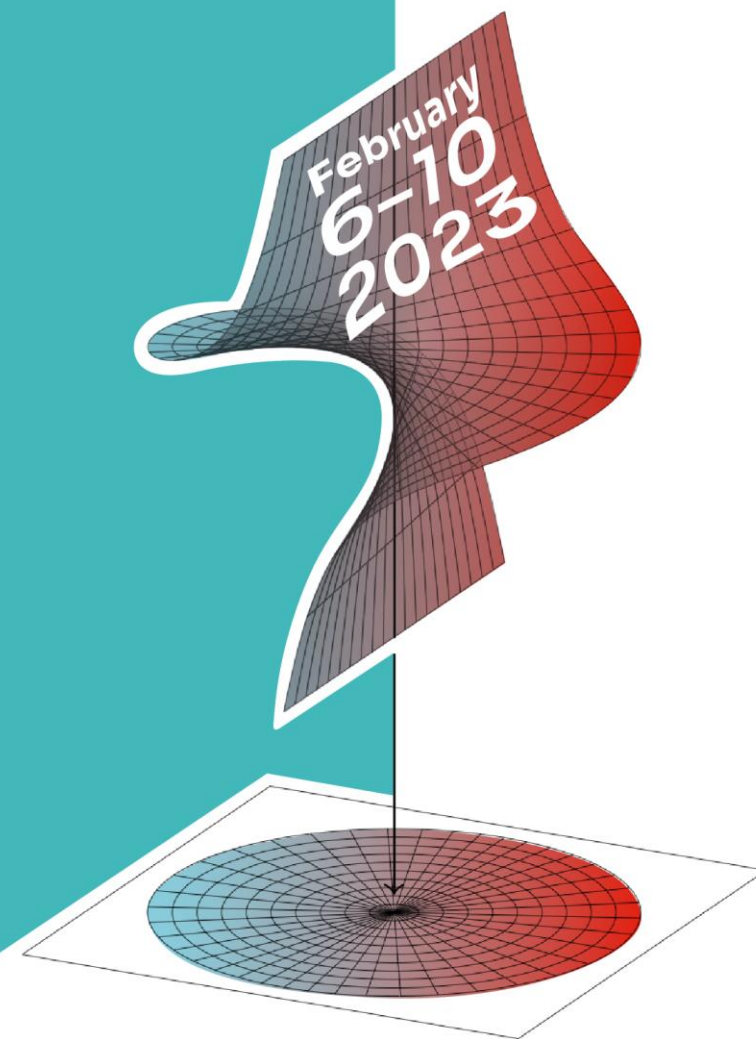
CERTIFICATE

We hereby certify that Nivaldo Nunes de Medeiros Júnior, Universidade Federal Fluminense (UFF), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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ALGA** (Commutative
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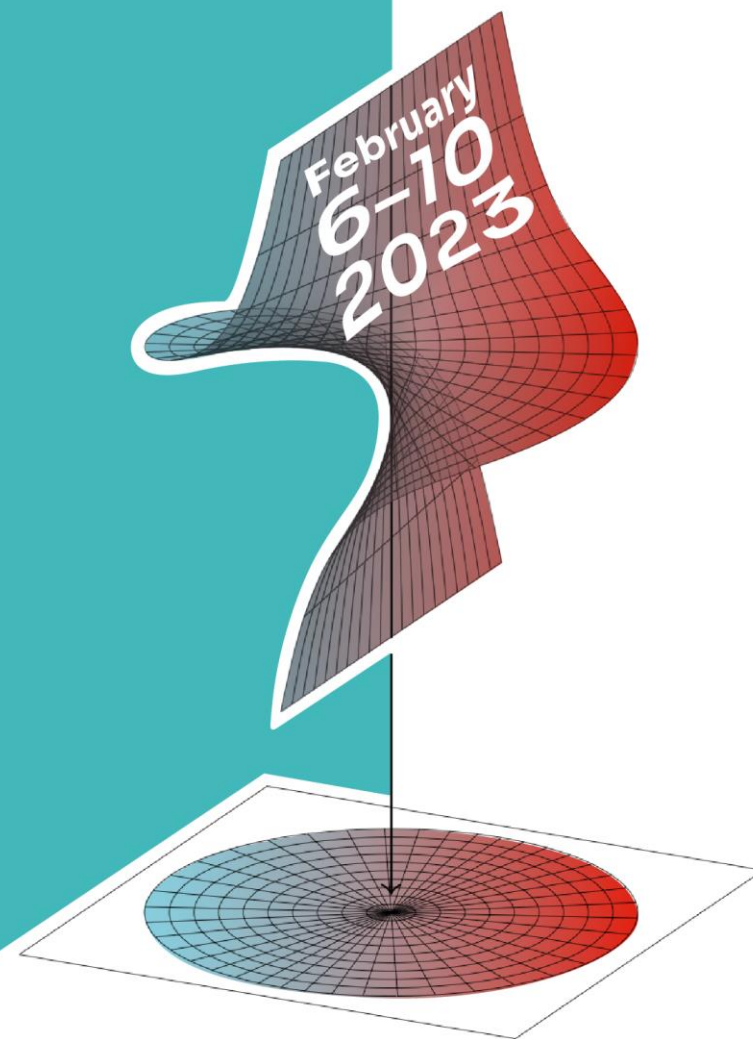
CERTIFICATE

We hereby certify that Paolo Cascini, Imperial College London, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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Coordinator

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ALGA** (Commutative
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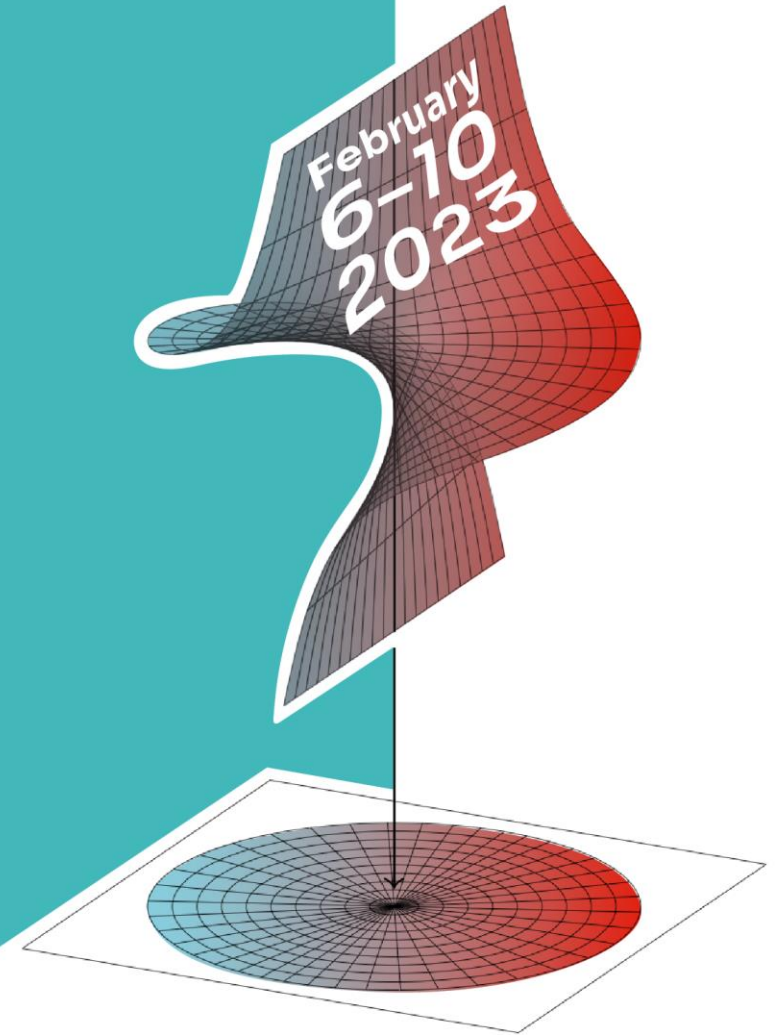
We hereby certify that Pedro Jesús Hernández Rizzo, Universidad De Antioquía, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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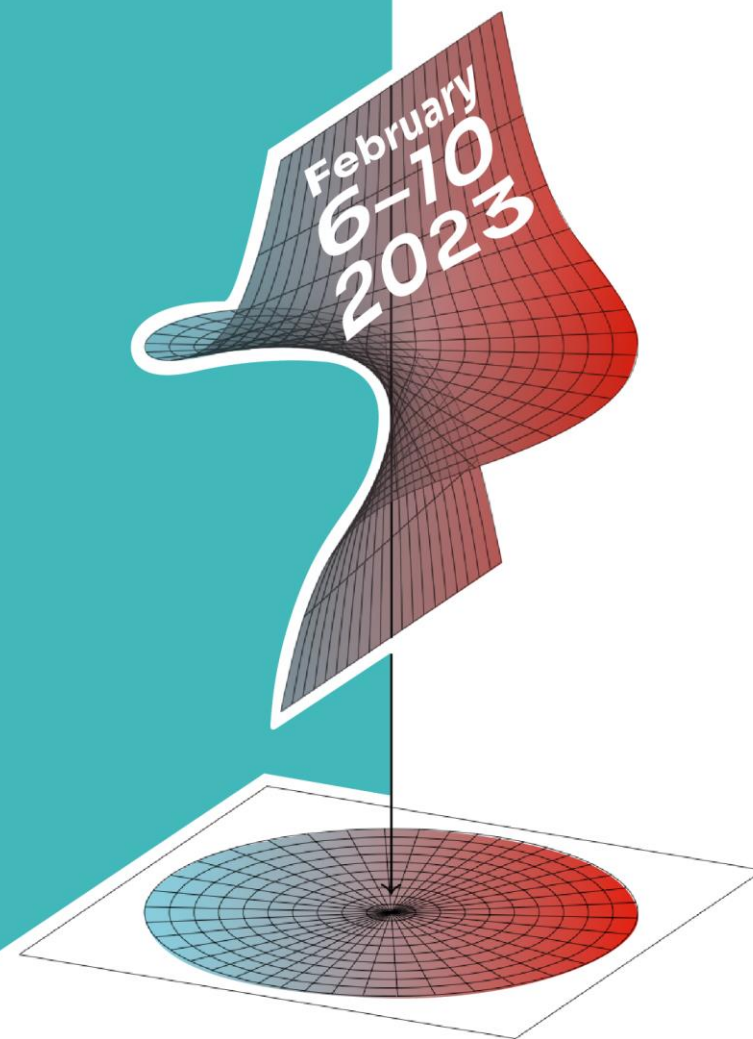
We hereby certify that Pedro Pablo Montero Silva, Universidad Técnica Federico Santa María, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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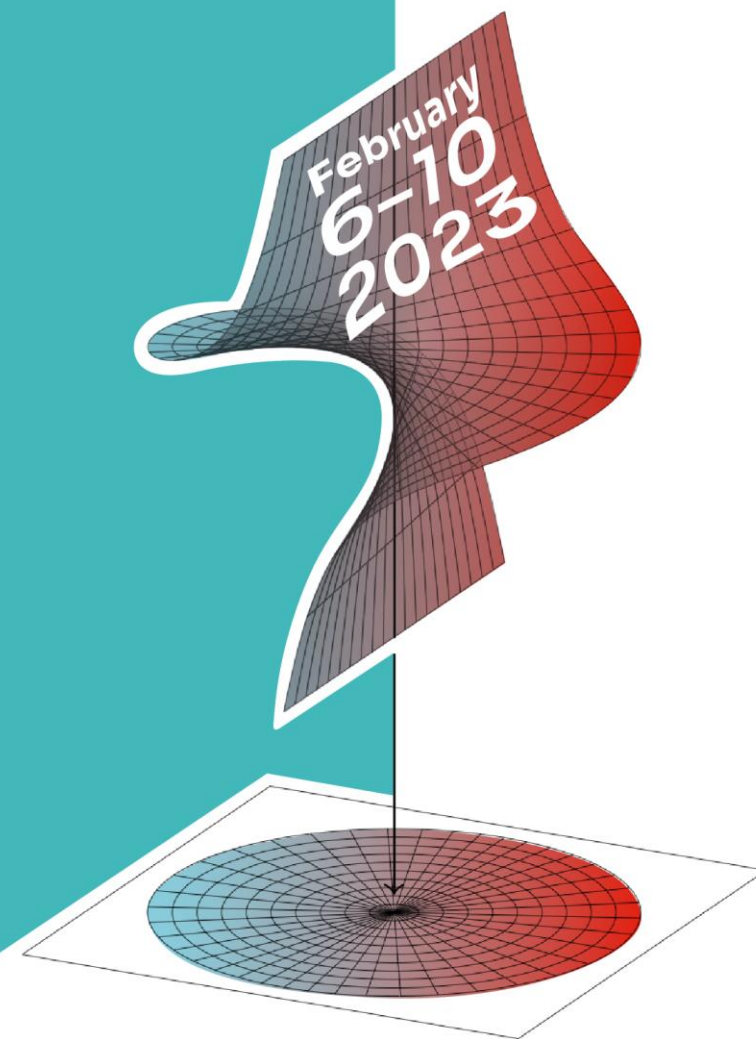
CERTIFICATE

We hereby certify that Rafael Almeida Orlando, Universidade Federal do Rio de Janeiro (UFRJ), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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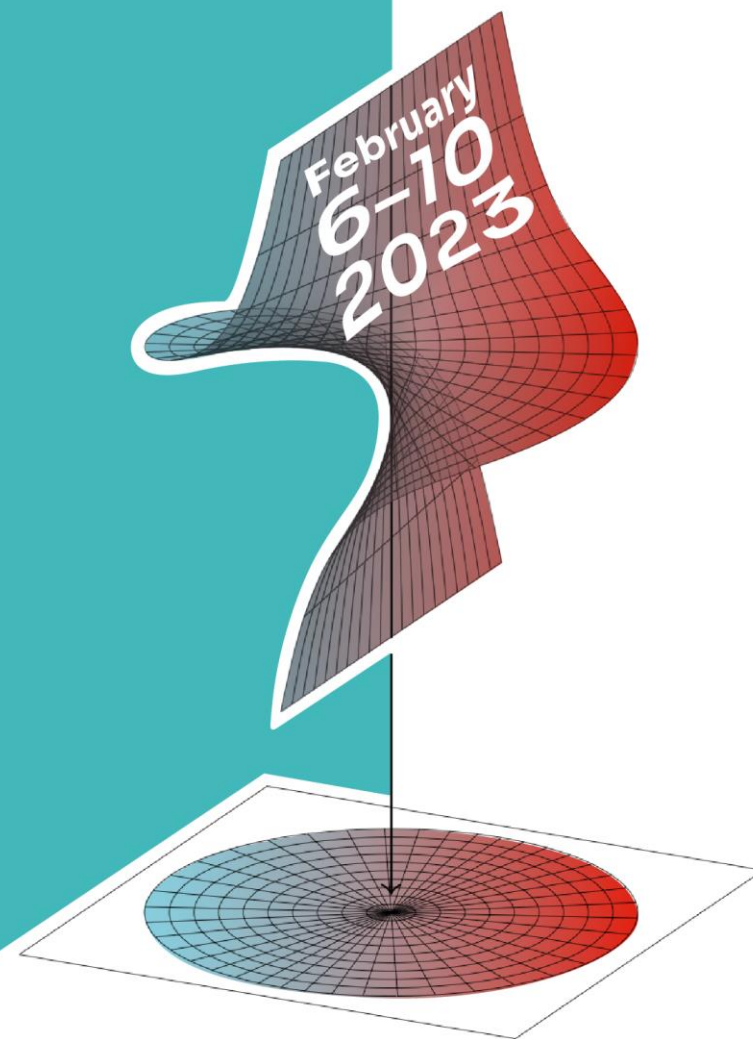
CERTIFICATE

We hereby certify that Rafael Ferreira Holanda, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

Carolina B. Araujo
Coordinator

**15th
ALGA** (Commutative
Algebra and
Algebraic
Geometry)



Organizer:



Support:



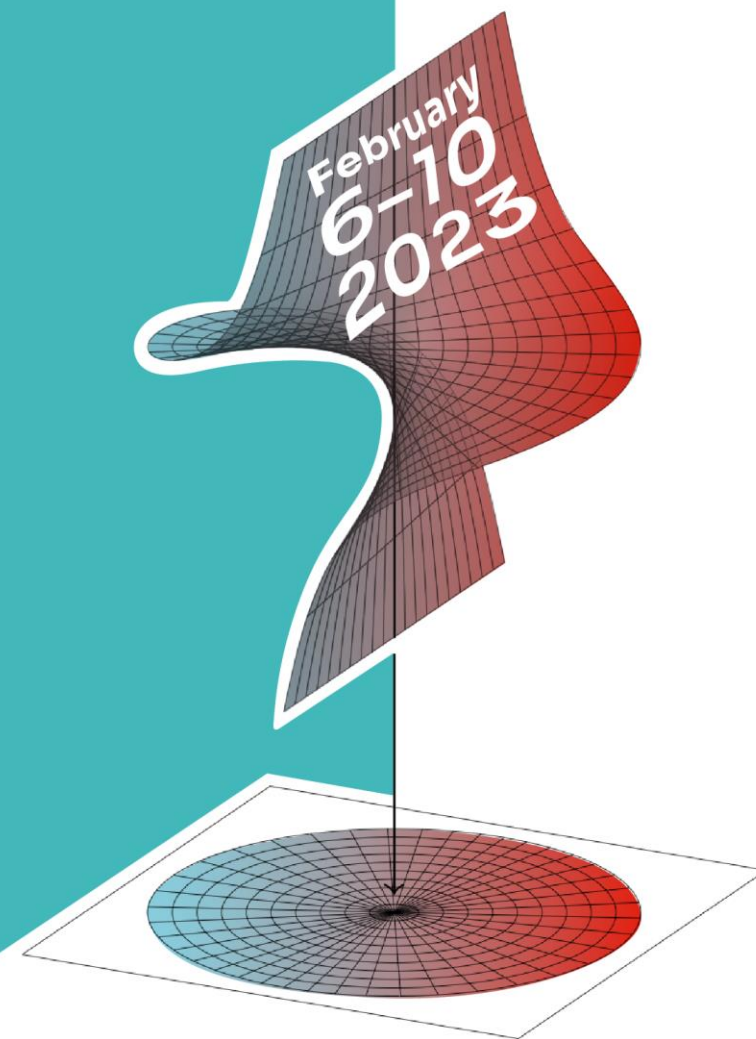
CERTIFICATE

We hereby certify that Renata Vieira Costa, Universidade Federal Fluminense (UFF), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

Carolina B. Araujo

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Coordinator

**15th
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Organizer:



Support:



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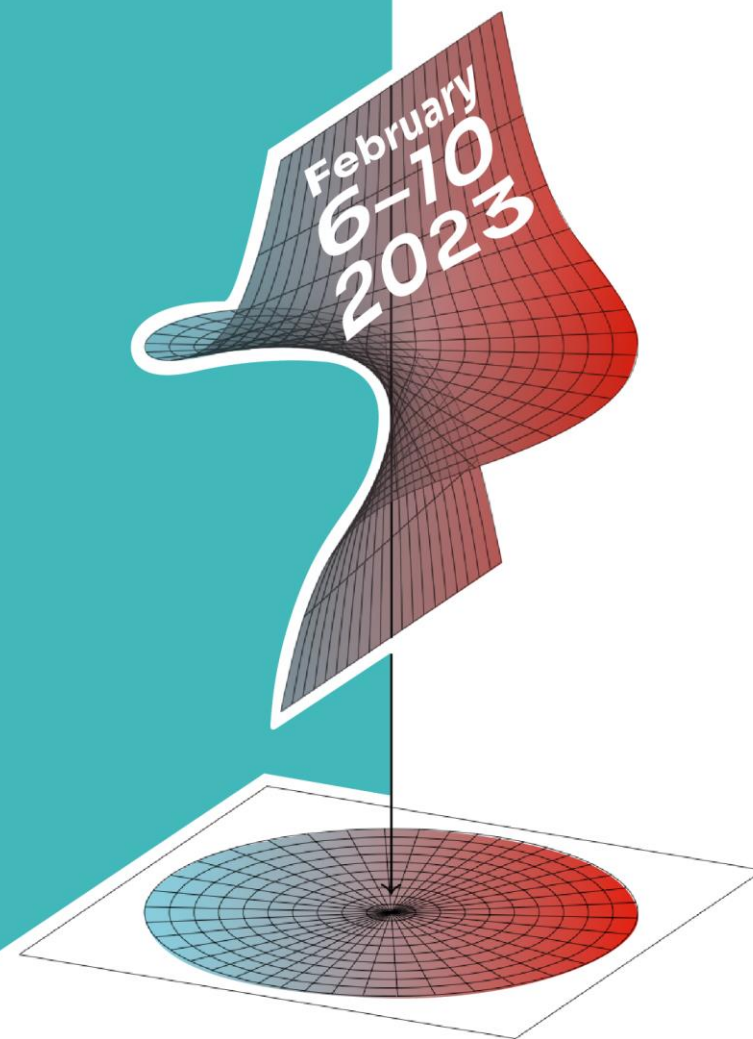
We hereby certify that Renzo Cavaliere, Colorado State University, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th ALGA

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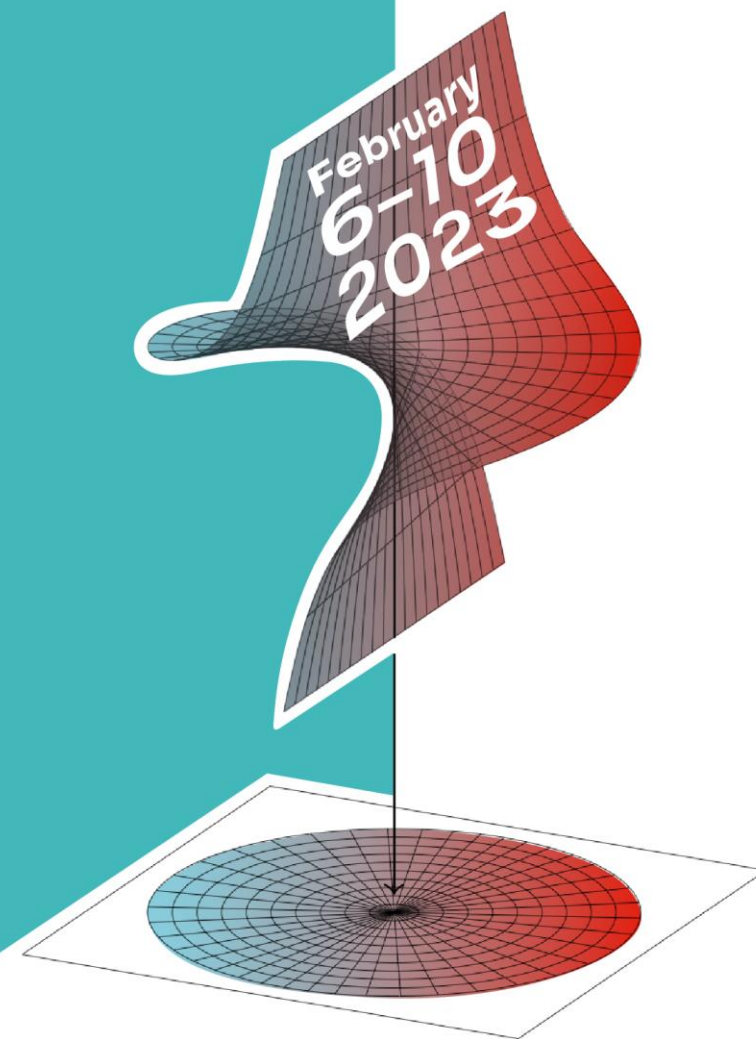
CERTIFICATE

We hereby certify that Ricardo Machado da Motta, Universidade Federal de Santa Catarina (UFSC), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th
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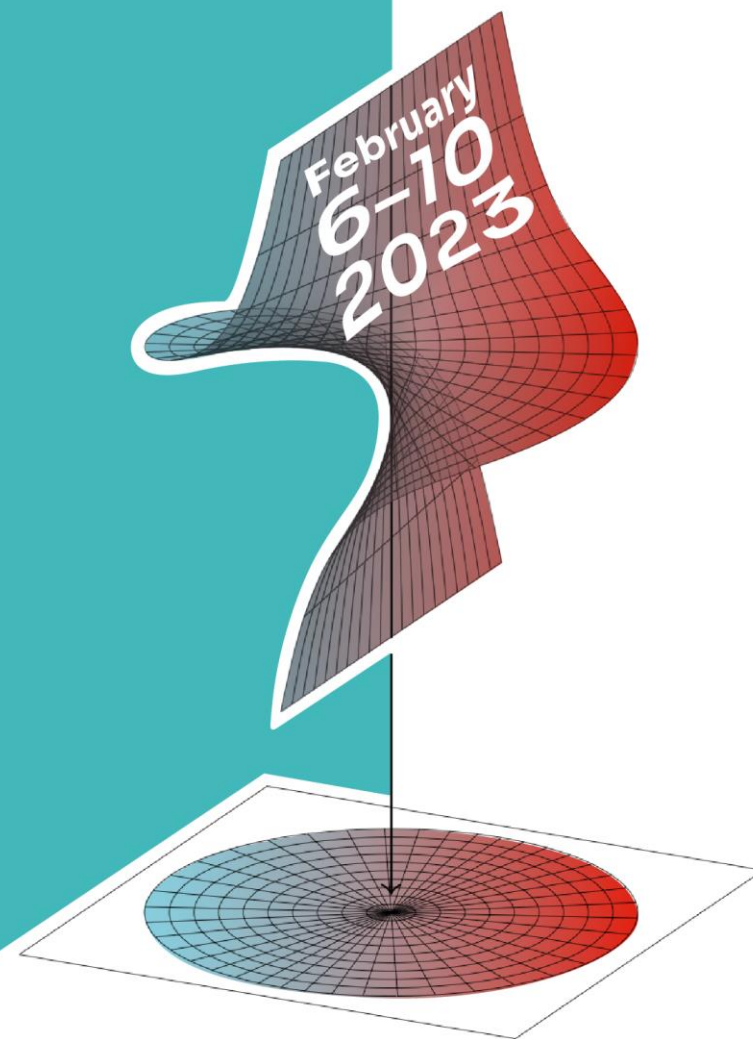
CERTIFICATE

We hereby certify that Rob Silversmith, University Of Warwick, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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**15th
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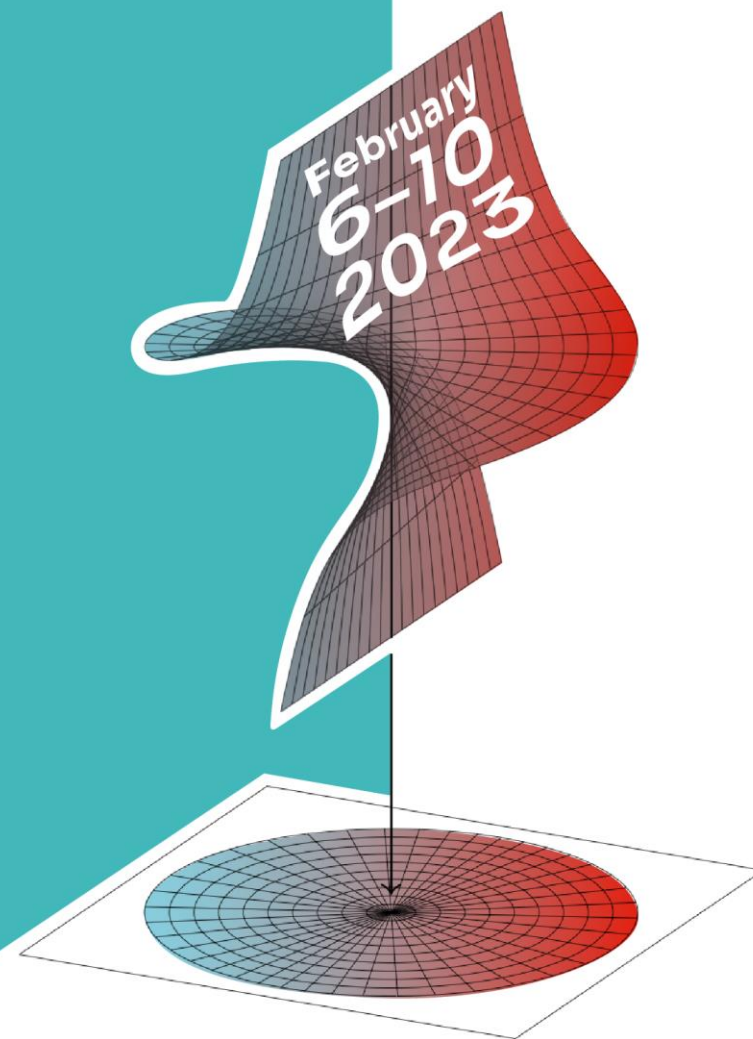
CERTIFICATE

We hereby certify that Roberto Arturo Fiestas Izaguirre, Universidade Federal do Rio de Janeiro (UFRJ), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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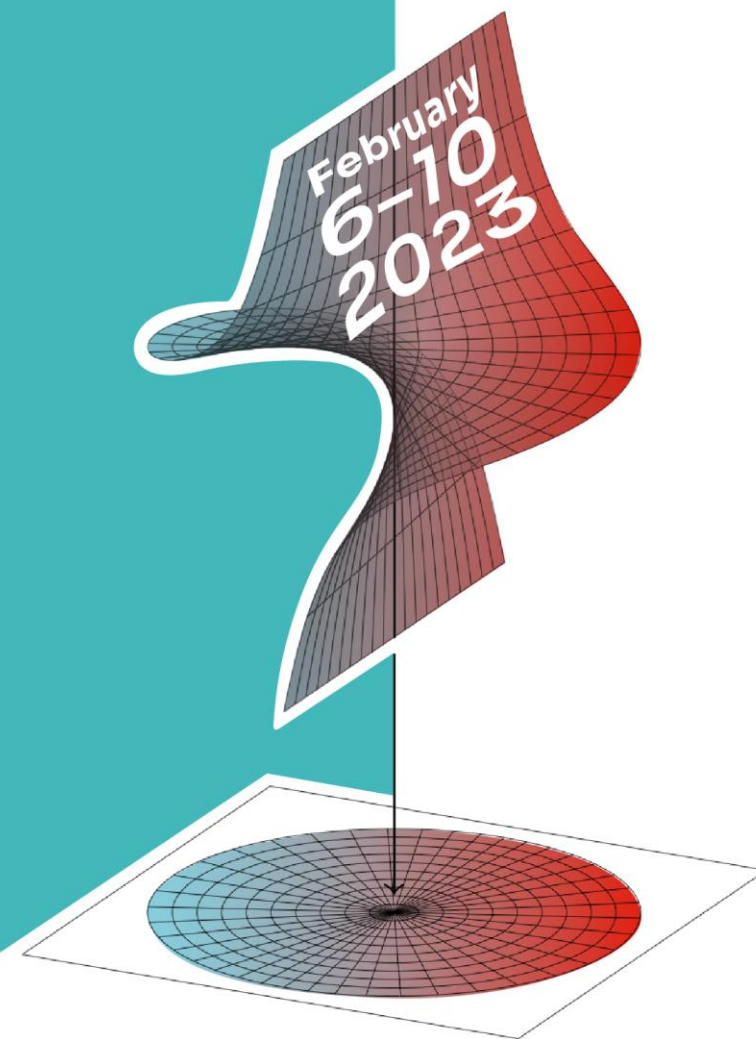
CERTIFICATE

We hereby certify that Rodrigo Jose Gondim Neves, Universidade Federal Rural de Pernambuco (UFRPE), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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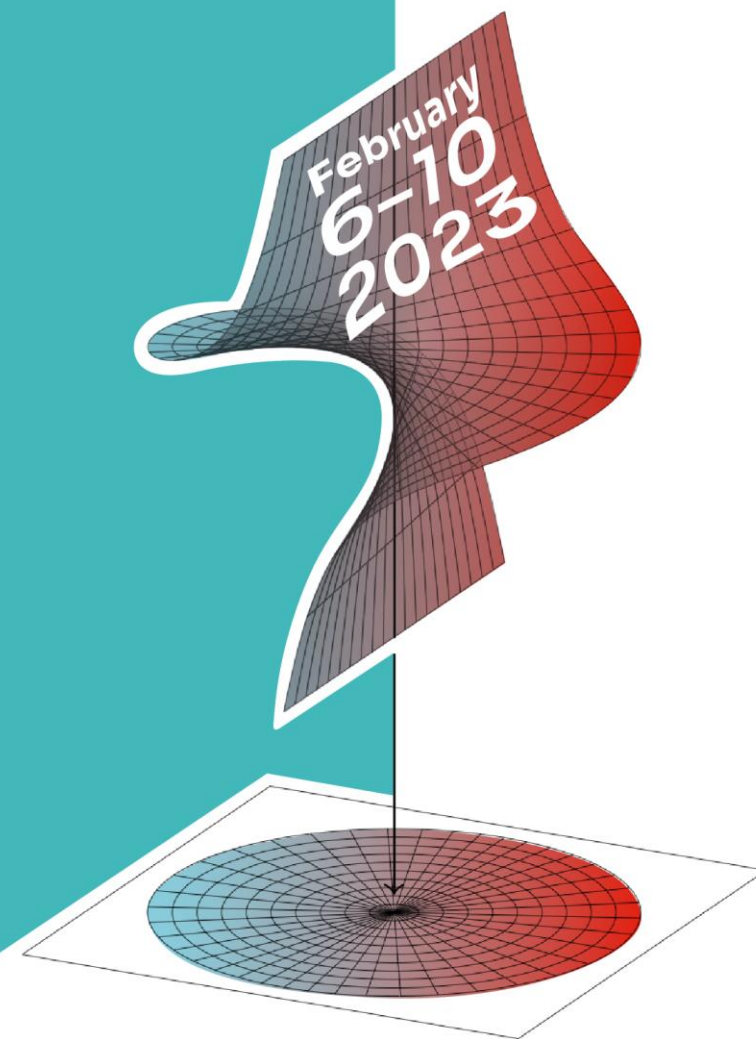
We hereby certify that Rodrigo Salomão, Universidade Federal Fluminense (UFF), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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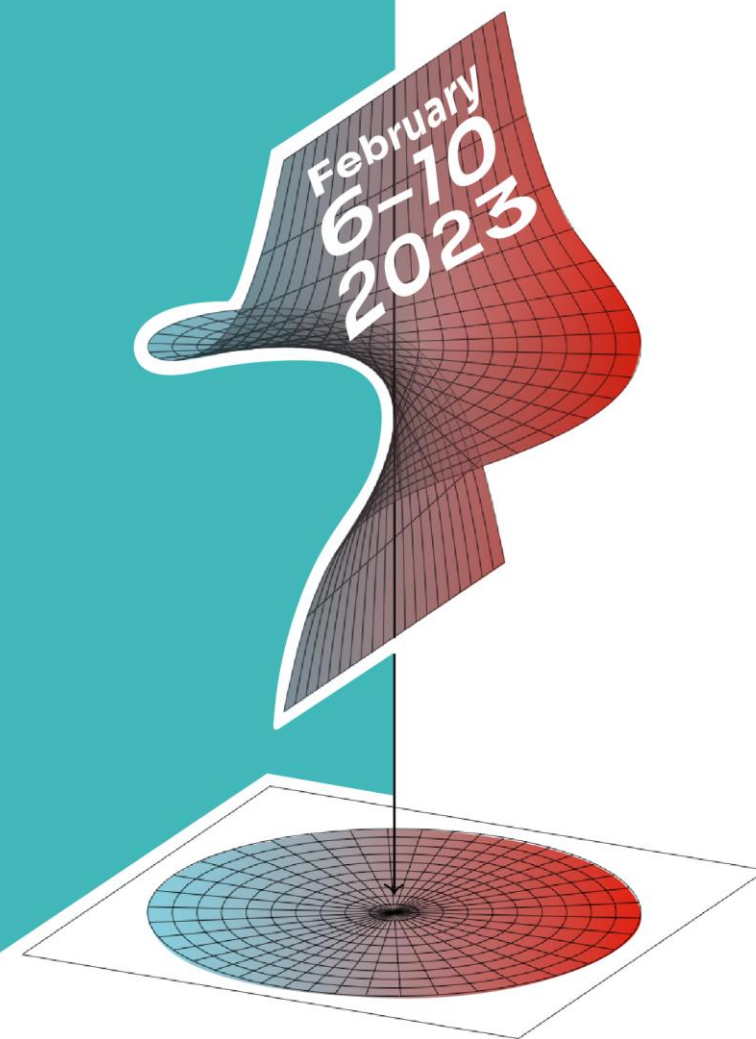
We hereby certify that Ronald Alexandre Roldan Urrutia, Ime-Usp (INSTITUTO DE MATEMÁTICA E ESTATÍSTICA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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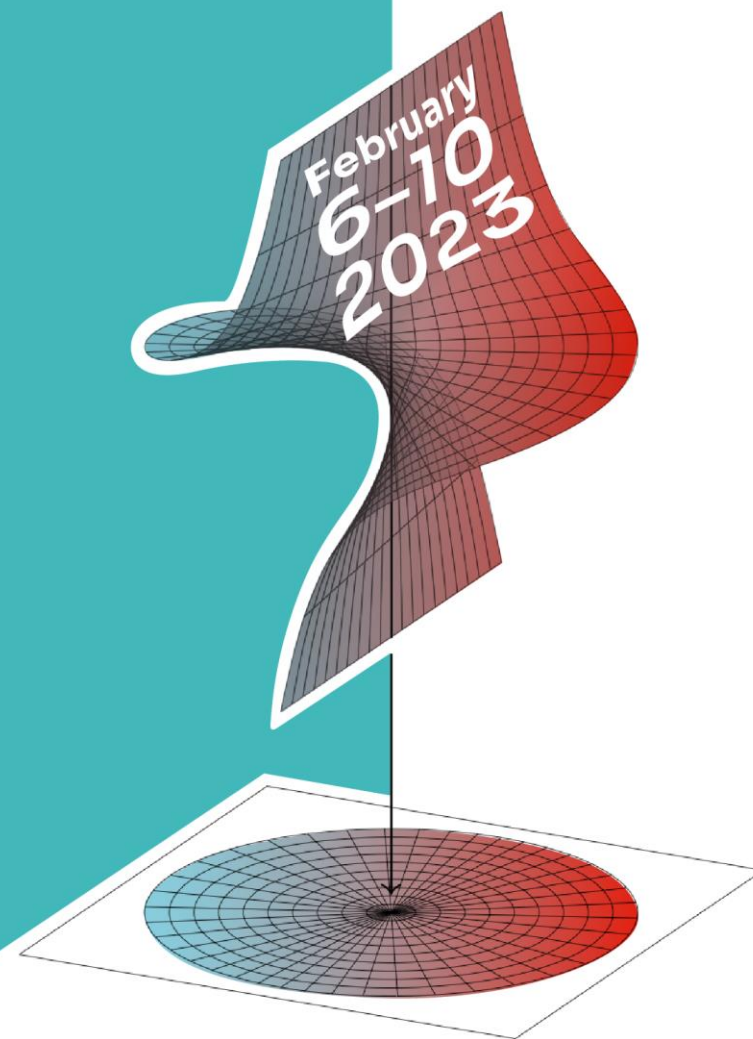
CERTIFICATE

We hereby certify that Sajad Salami, Universidade do Estado do Rio de Janeiro (UERJ), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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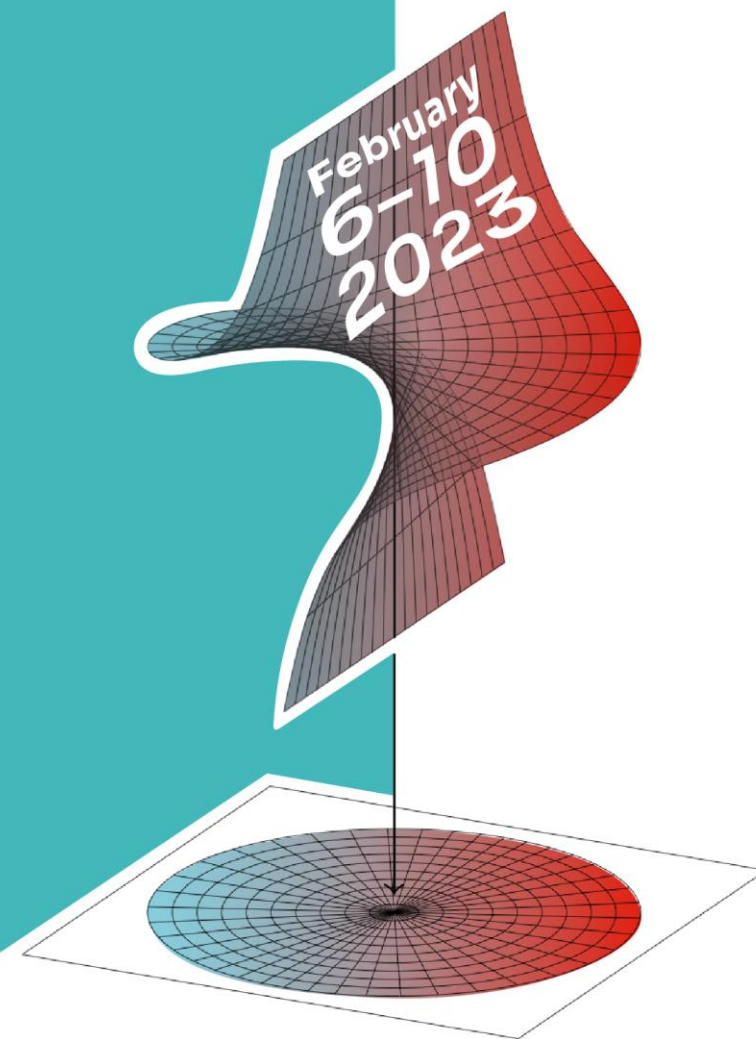
CERTIFICATE

We hereby certify that Sally Andria Vieira da Silva, Universidade do Estado do Rio de Janeiro (UERJ), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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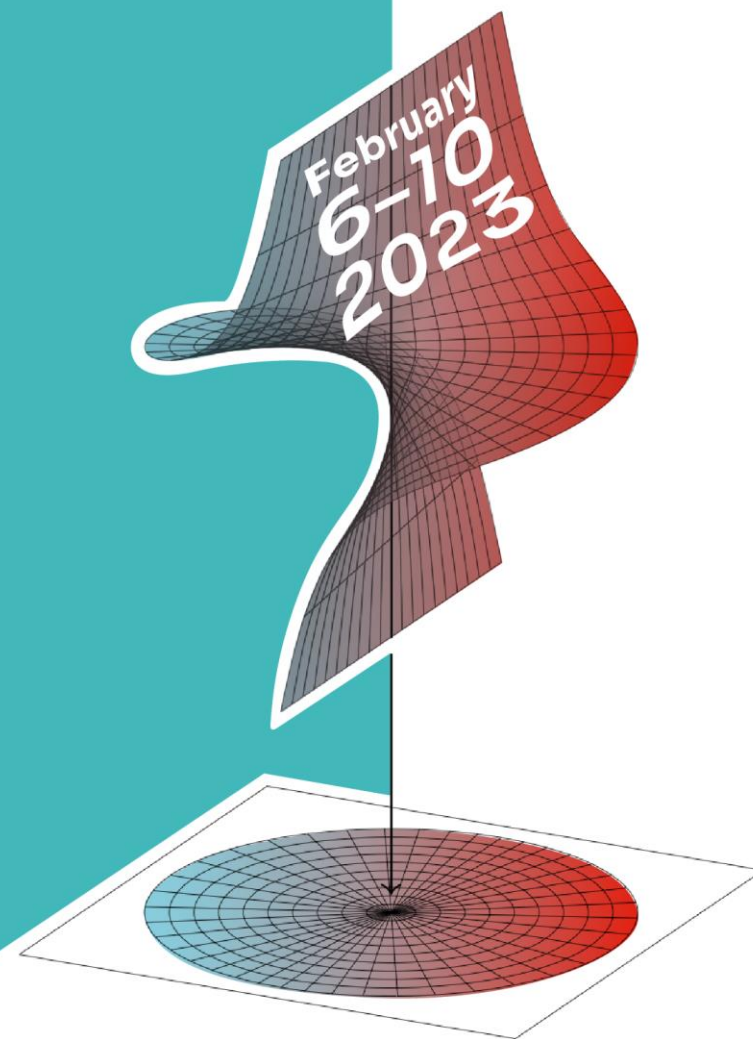
CERTIFICATE

We hereby certify that Sebastian Lucas Velazquez, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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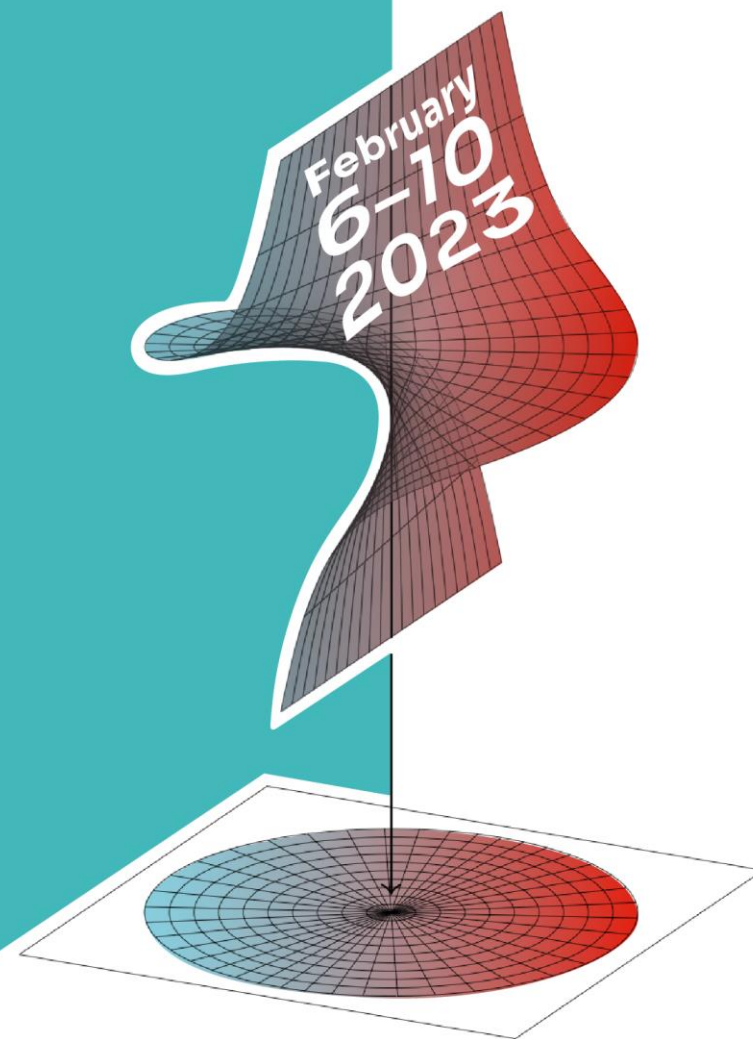
CERTIFICATE

We hereby certify that Seyed Hamid Hassanzadeh Hafshejani, Universidade Federal do Rio de Janeiro (UFRJ), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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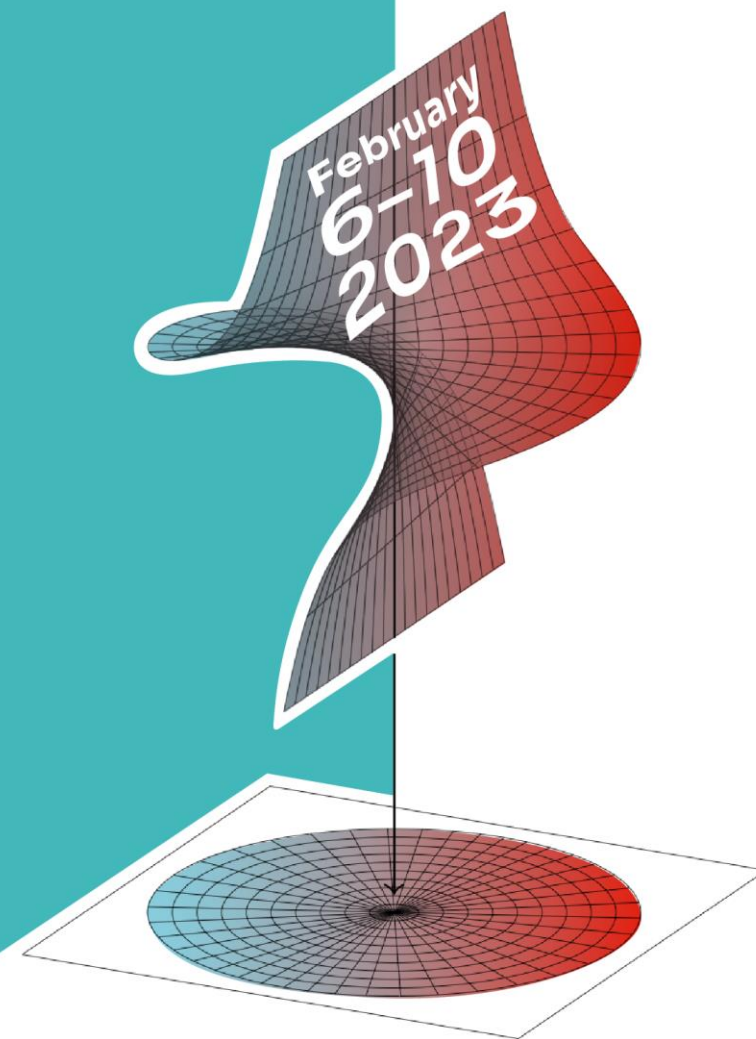
CERTIFICATE

We hereby certify that Thais Gomes Ribeiro, Instituto de Matemática Pura e Aplicada (IMPA), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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**15th
ALGA** (Commutative
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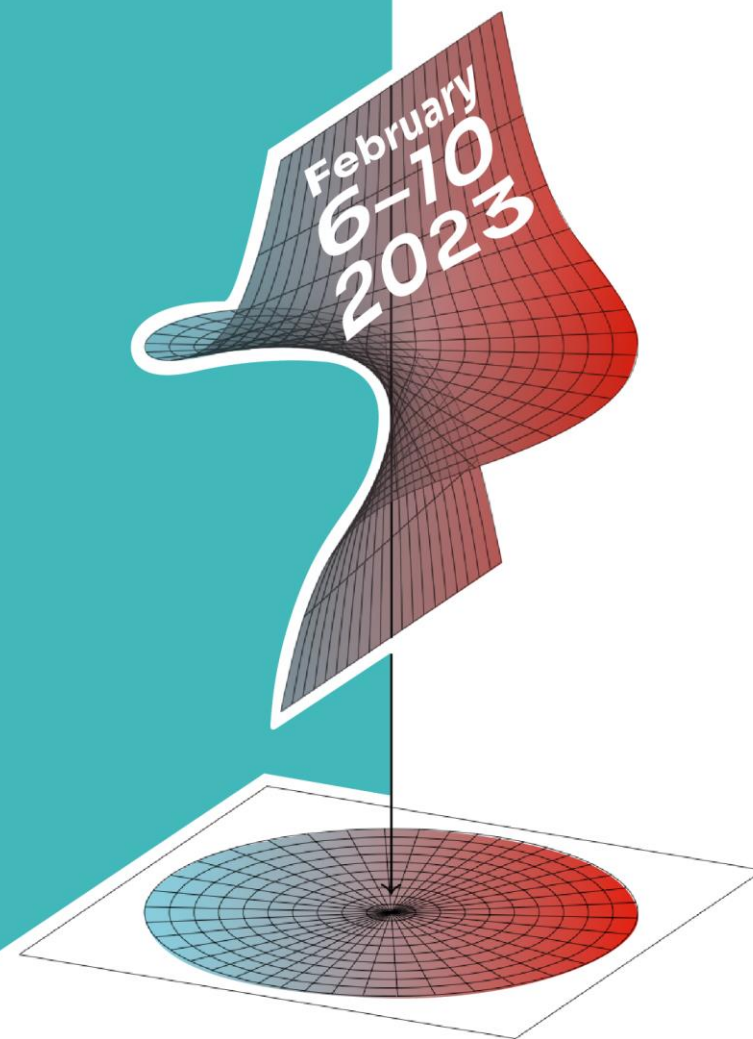
CERTIFICATE

We hereby certify that Thiago Fassarella do Amaral, Universidade Federal Fluminense (UFF), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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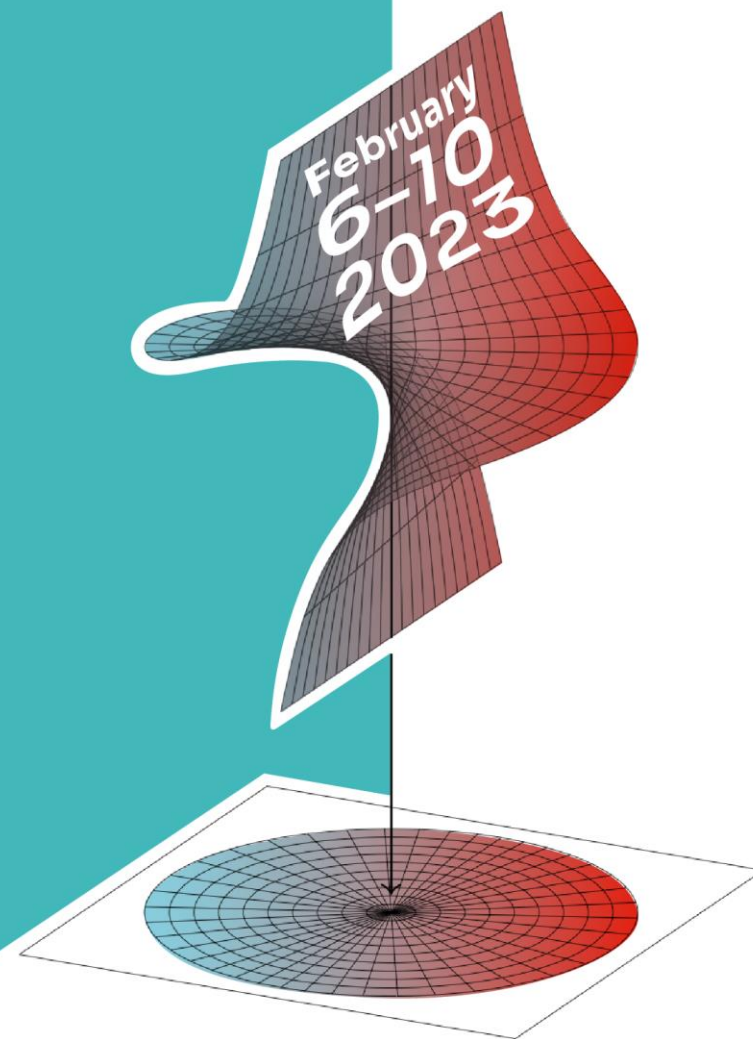
CERTIFICATE

We hereby certify that Tomas Dos Santos Rodrigues e Silva, Universidade Estadual de Campinas (UNICAMP), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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**15th
ALGA** (Commutative
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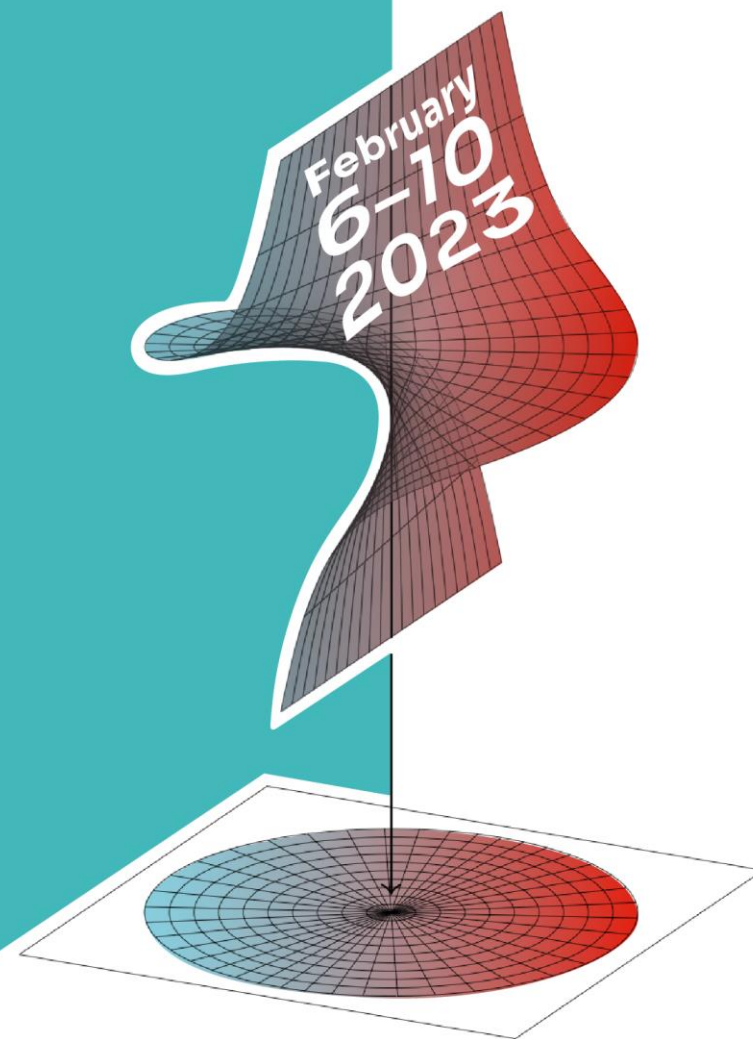
CERTIFICATE

We hereby certify that Tyler Kelly, The University Of Birmingham, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th
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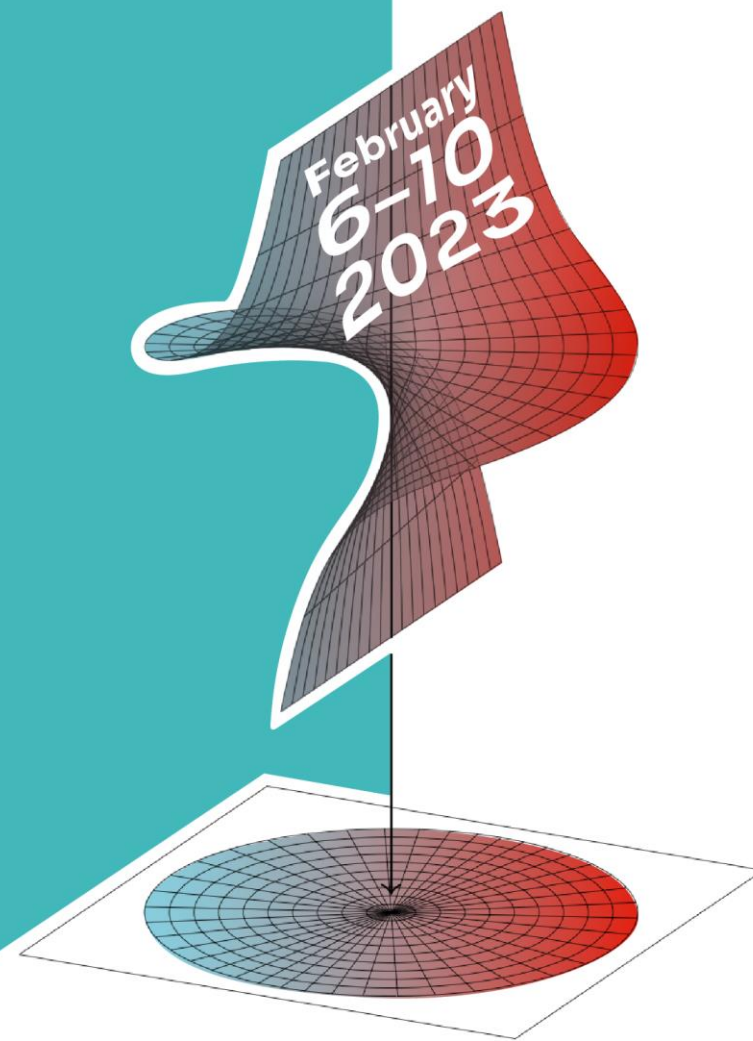
CERTIFICATE

We hereby certify that Ugo Bruzzo, Scuola Internazionale Superiore Studi Avanzati - Trieste, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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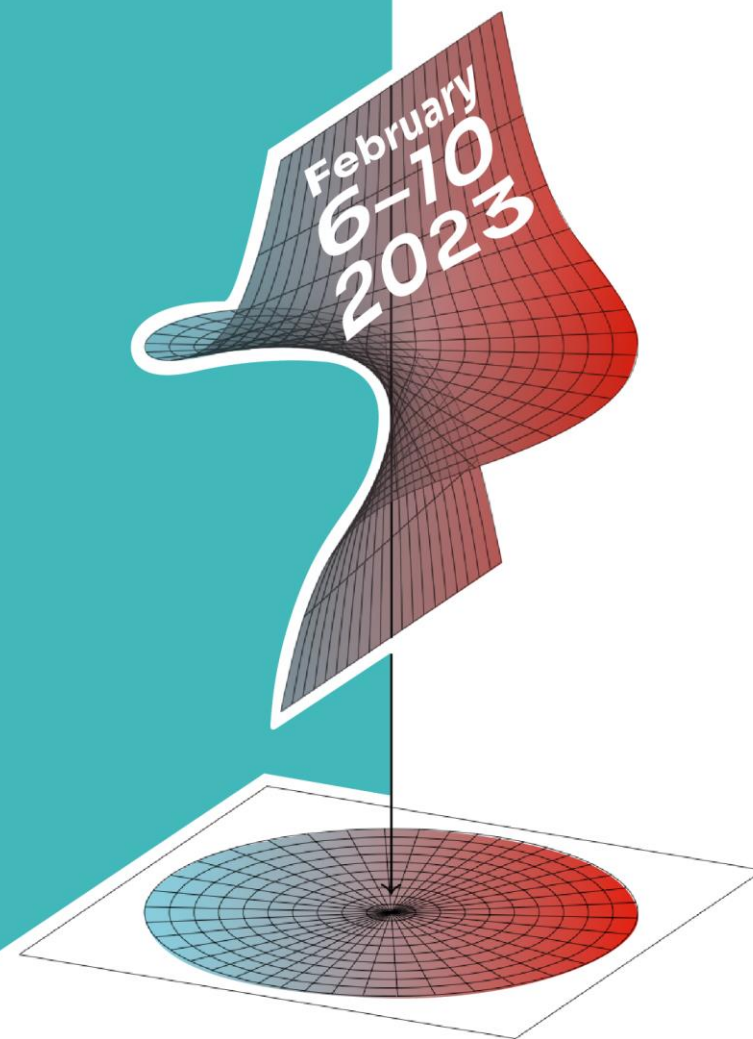
We hereby certify that Valeriano Lanza, Universidade Federal Fluminense (UFF), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th ALGA

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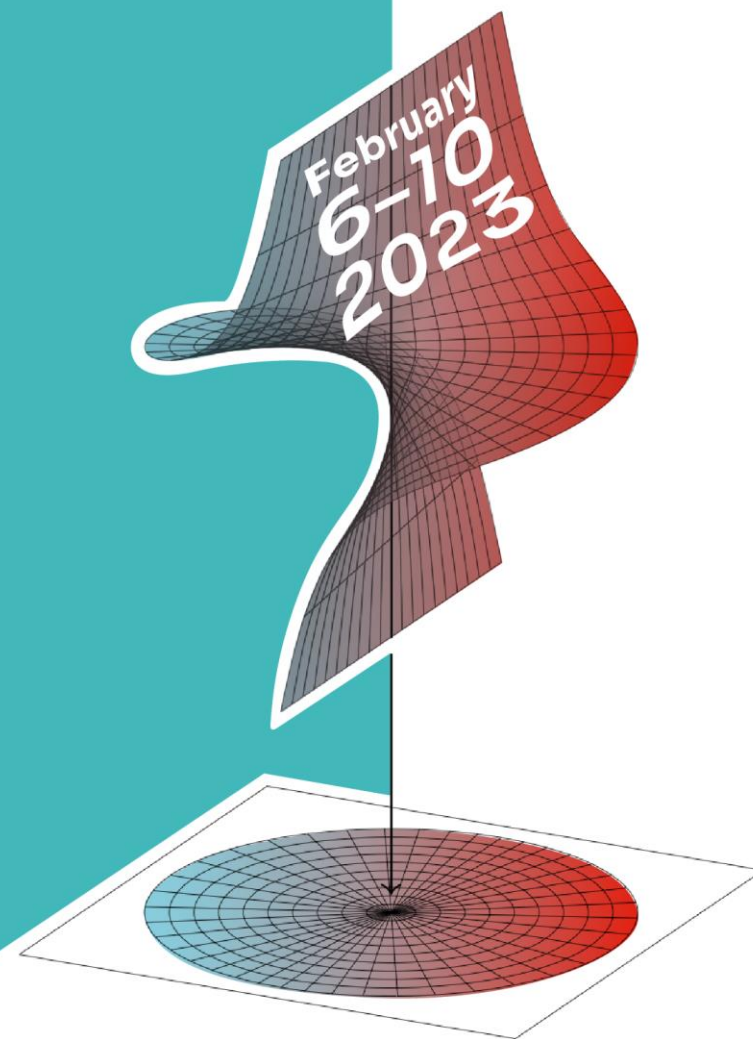
We hereby certify that Victor Hugo Jorge Pérez, Universidade de São Paulo - São Carlos (USP - SÃO CARLOS), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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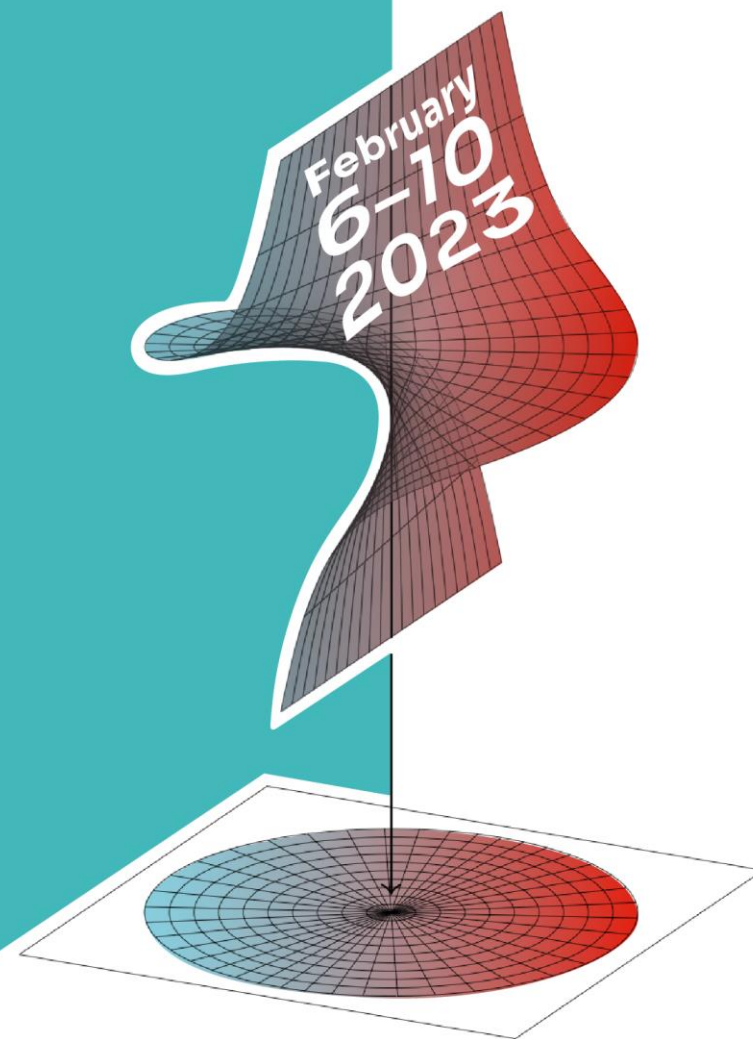
We hereby certify that Victor Ibrahim Santos El Adji, Pontificia Universidade Catolica do Rio de Janeiro (PUC-RIO), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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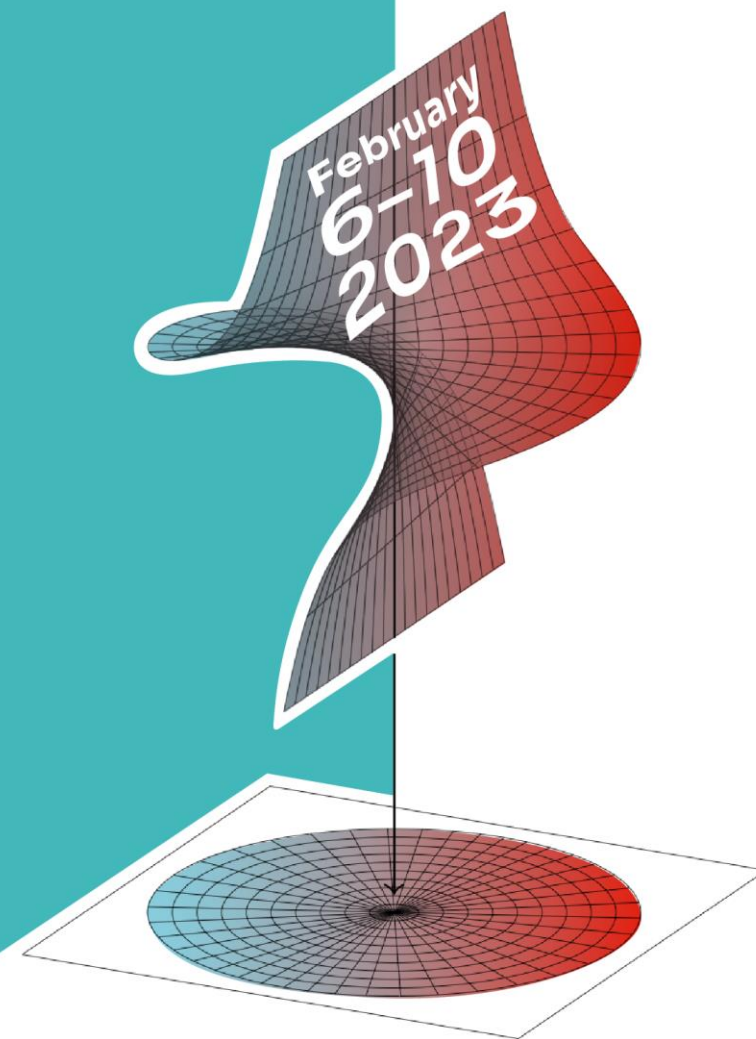
CERTIFICATE

We hereby certify that Vinicius Bouça Marques da Costa, Centro Federal de Educação Tecnológica Celso Suckow da Fonseca – Cefet/rj (CEFET/RJ), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th
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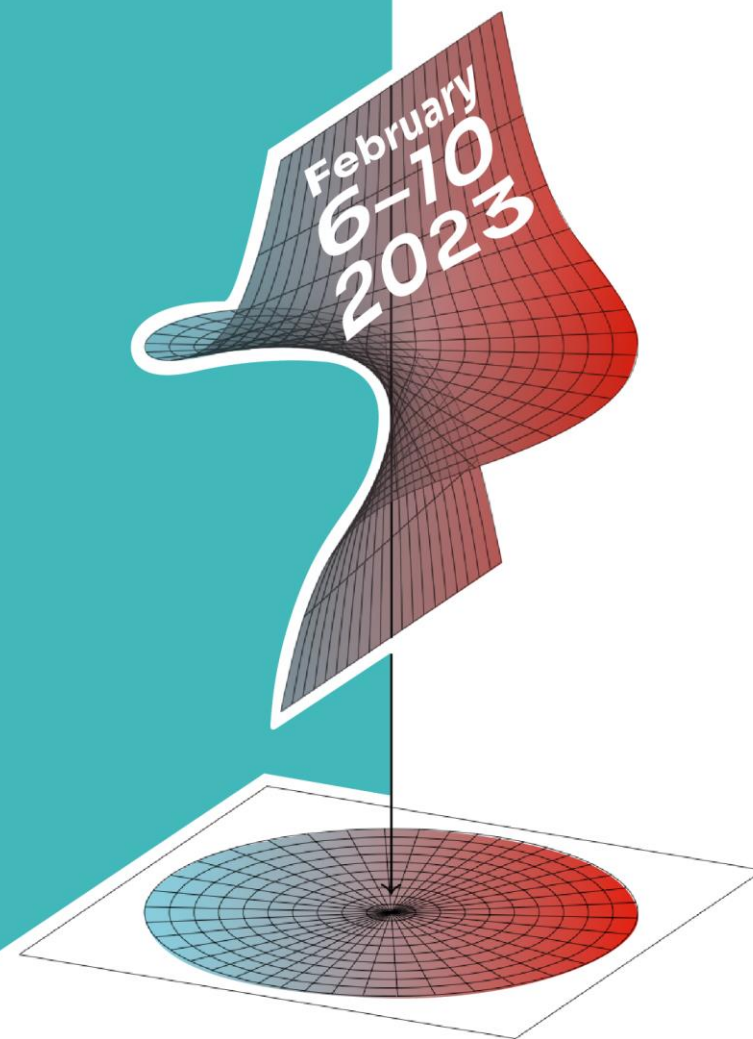
CERTIFICATE

We hereby certify that Vítor Emídio Simoncini, Fundação Universidade Federal de Viçosa (UFV), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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**15th
ALGA** (Commutative
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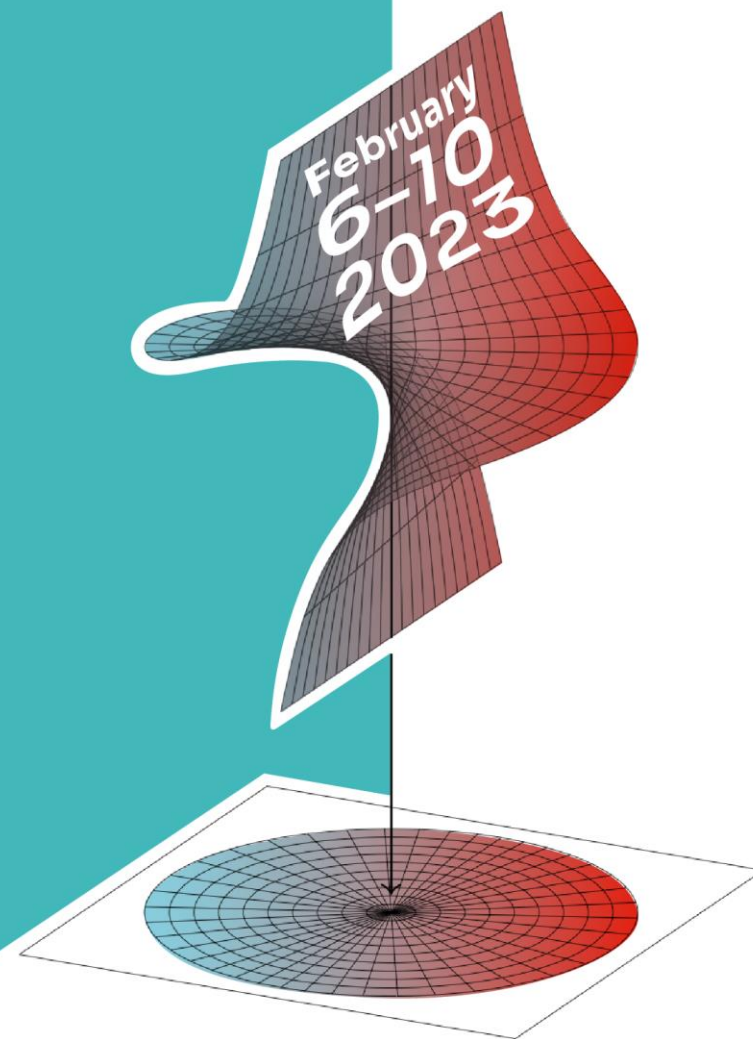
We hereby certify that Vladimiro Benedetti, Université De Bourgogne, attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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15th ALGA

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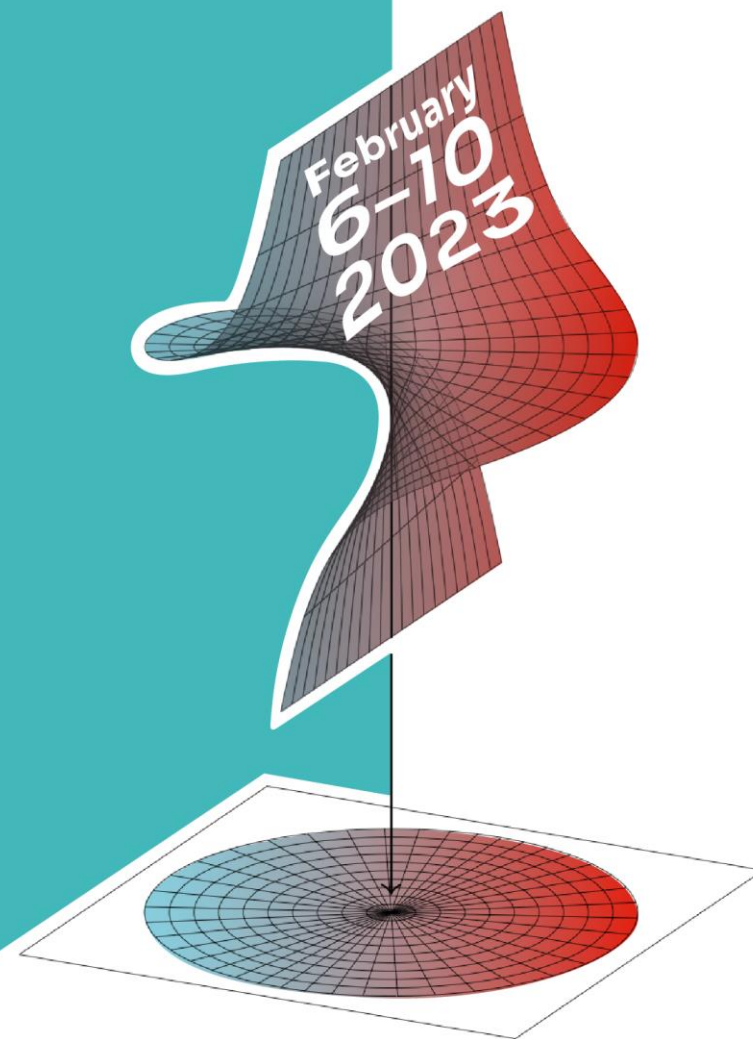
CERTIFICATE

We hereby certify that Wállace Mangueira de Sousa, Universidade Federal da Paraíba - João Pessoa (UFPB), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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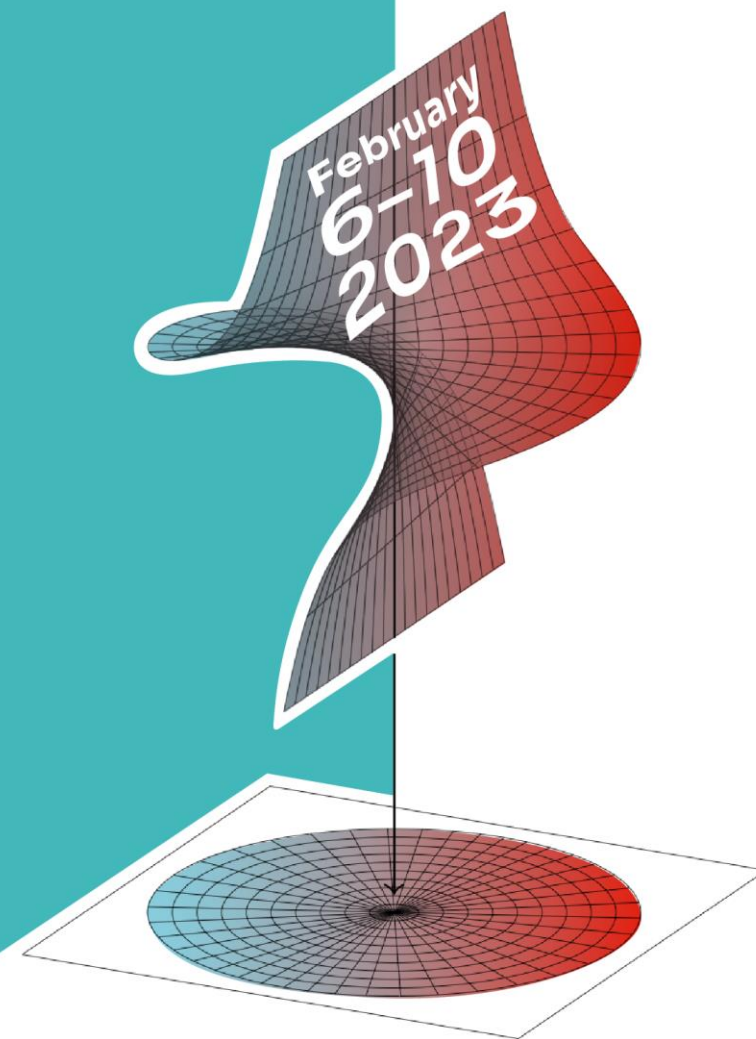
CERTIFICATE

We hereby certify that Zaqueu Alves Ramos, Universidade Federal de Sergipe (UFS), attended the 15th ALGA (Commutative Algebra and Algebraic Geometry) meeting held in IMPA, Rio de Janeiro, Brazil, from February 06th to the 10th.

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