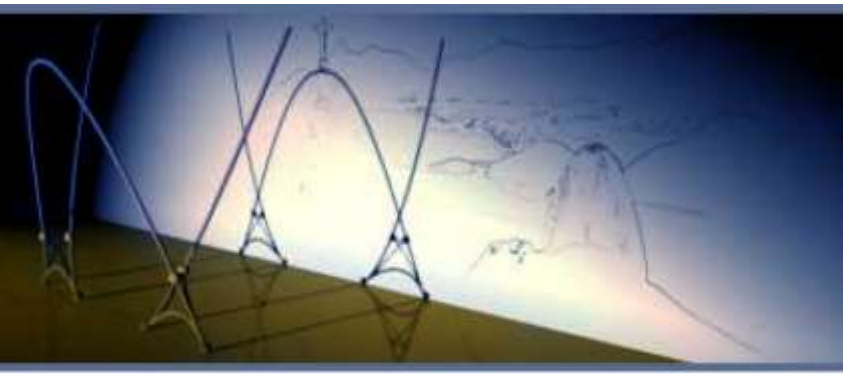


International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Abramo Hefez - Universidade Federal Fluminense**, participated in the *International Meeting of young researchers in Singularity Theory & in the IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

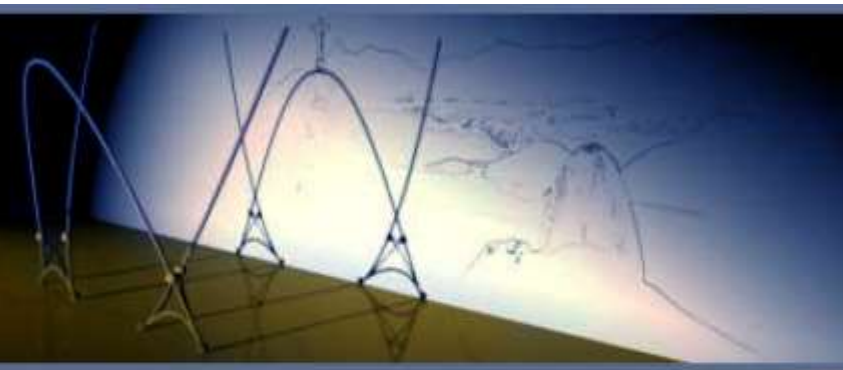
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Adriano de Lima Santos** - **Universidade Federal de Alagoas**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

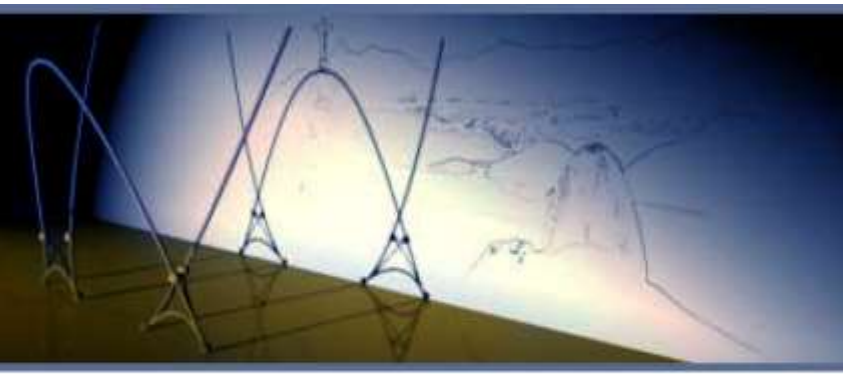
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Alexandre Gurgel Fernandes** - **Universidade Federal do Ceará**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

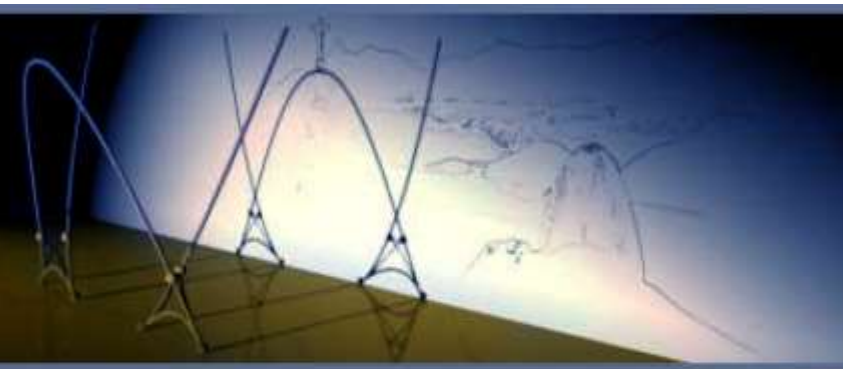
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Ana Claudia Nabarro** - Inst. Ciên. Matemática e Comp. de São Carlos, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

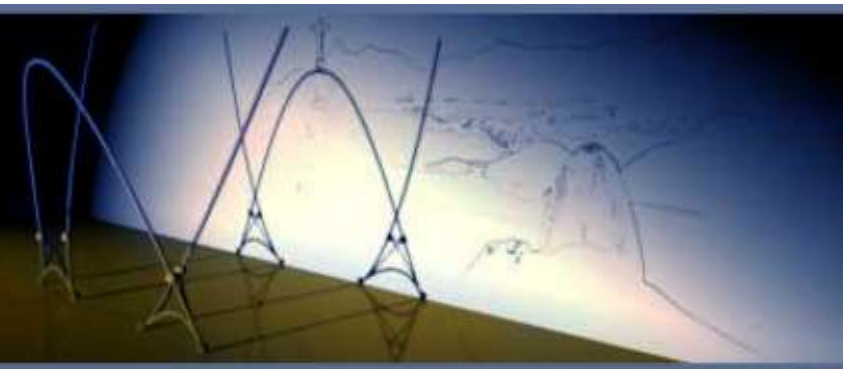
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Andrea Gomes Guimaraes** - **Universidade Federal Fluminense**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

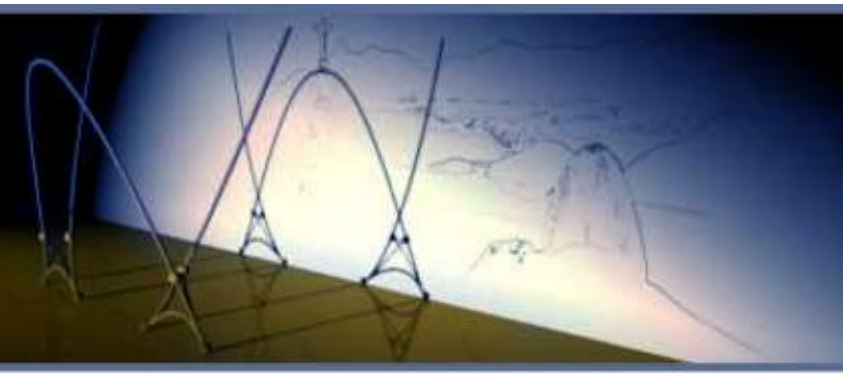
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Antoni Rangachev - University of Chicago**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

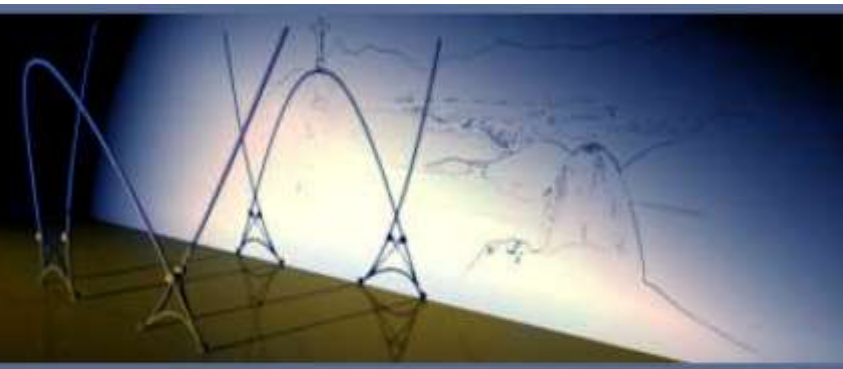
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Aron Simis - Universidade Federal de Pernambuco**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

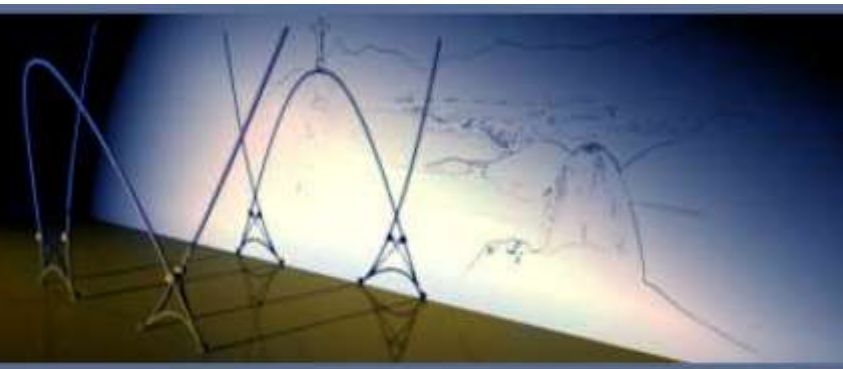
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Carolina Bhering de Araujo** - Instituto de Matemática Pura e Aplicada, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

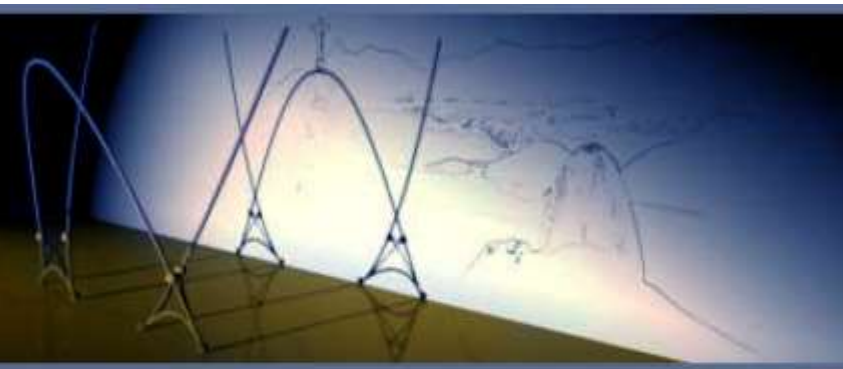
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Cesar Augusto Hilario Poma** - Instituto de Matemática Pura e Aplicada, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

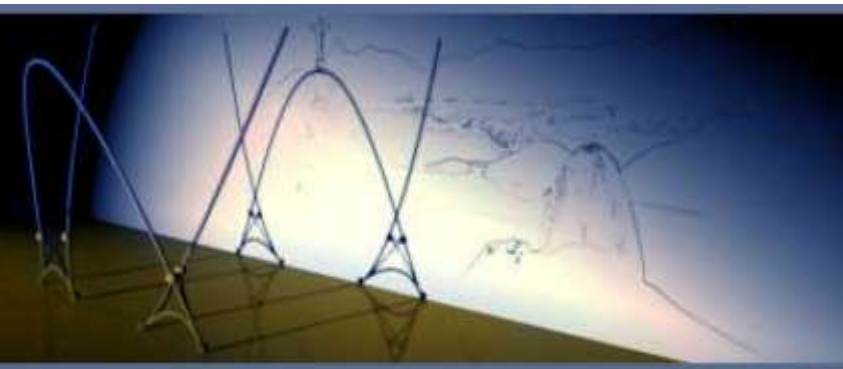
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Daniel Duarte - Universidad Autónoma de Zacatecas**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

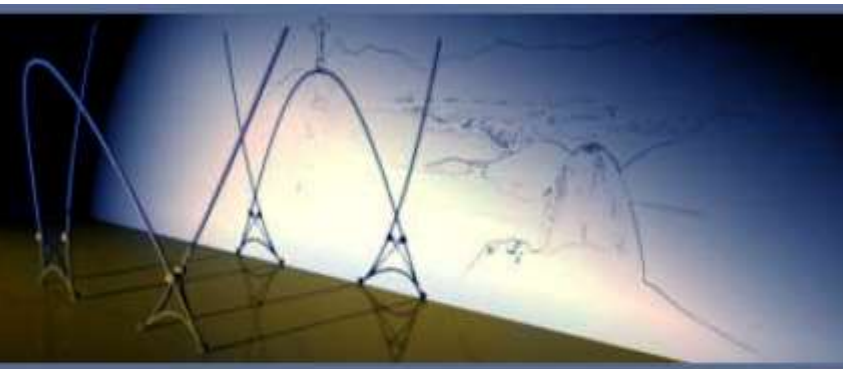
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Diego Rodríguez Guzmán** - **Centro de Investigación en Matemáticas**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

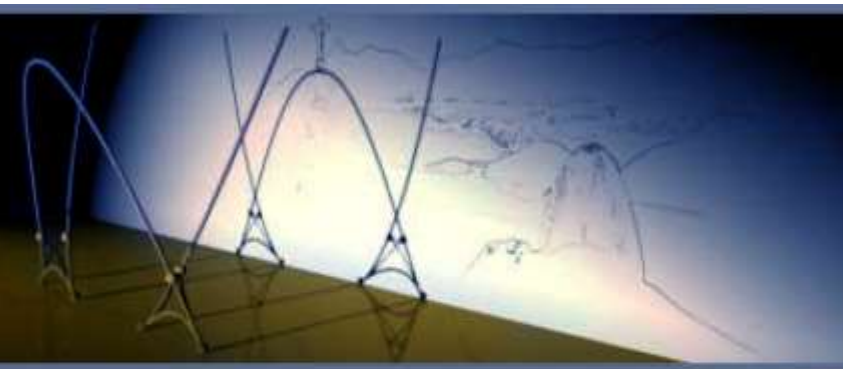
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Dominik Wrazidlo** - **Kyushu**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

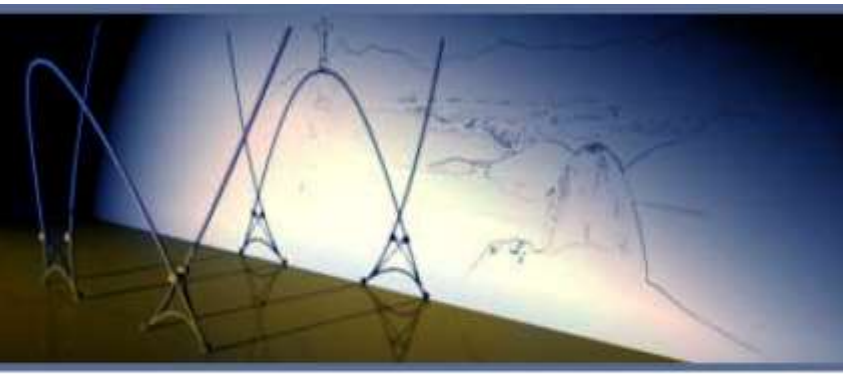
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Enrique Chavez Martinez - Universidad Nacional Autonoma de Mexico**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

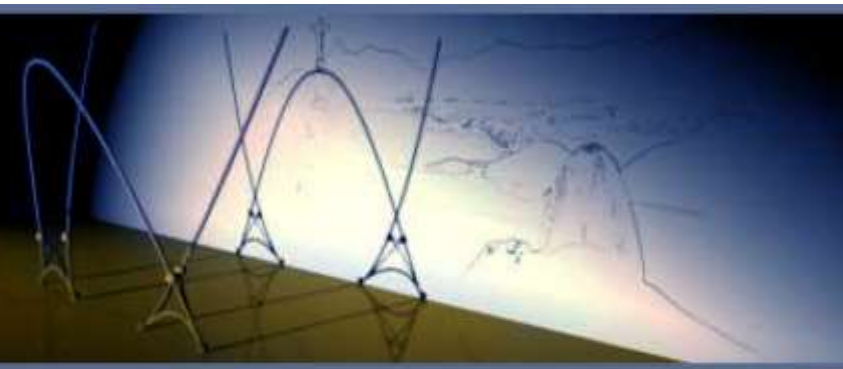
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Ethan Cotterill** - **Universidade Federal Fluminense**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

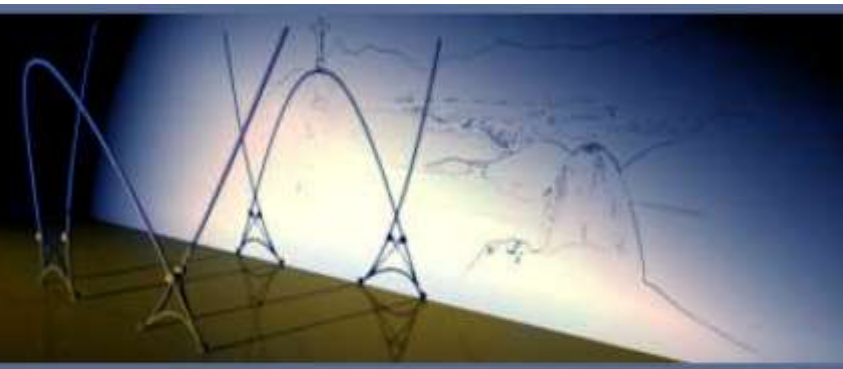
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Guillermo Peñafort Sanchis - Universitat de València**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

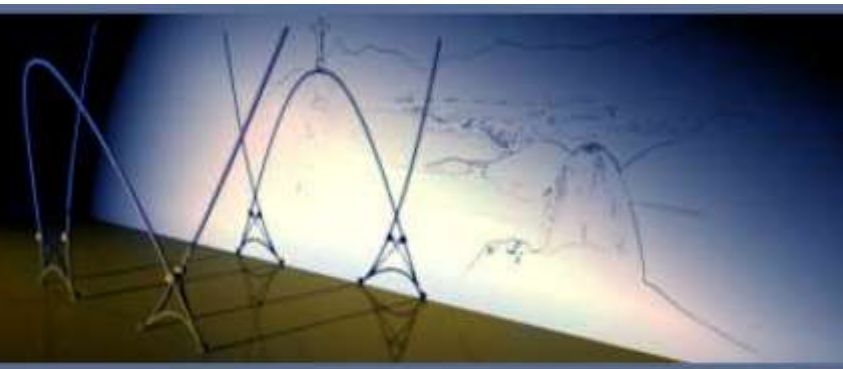
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Ingrid Sofia Meza Sarmiento** - **Universidade Federal de São Carlos**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

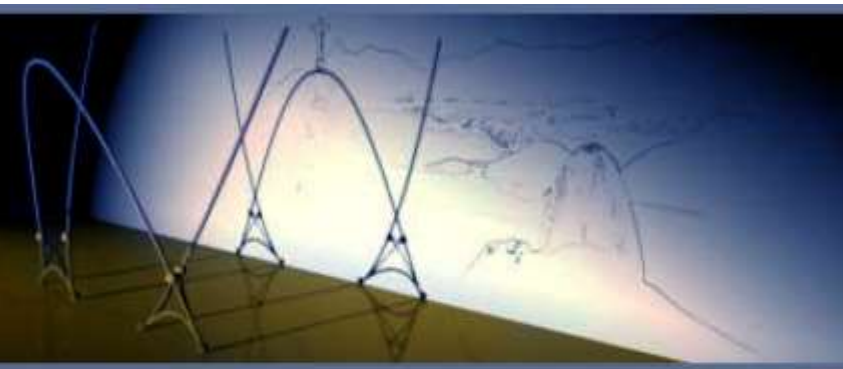
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Josnei Antonio Novacoski** - **Universidade Federal de São Carlos**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

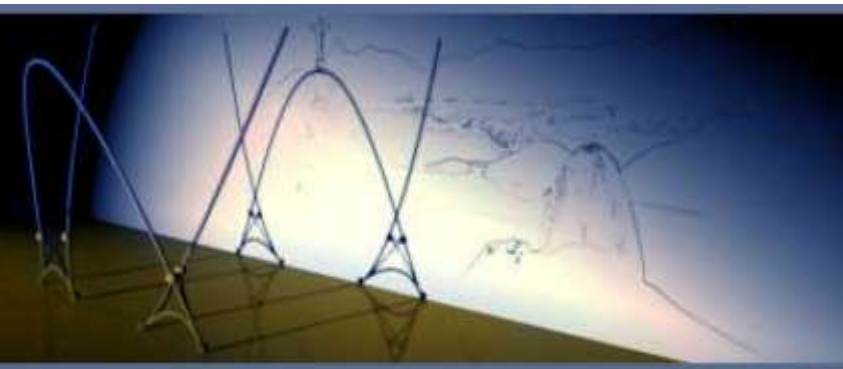
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Leonardo Meireles Câmara** - Universidade Federal do Espirito Santo, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

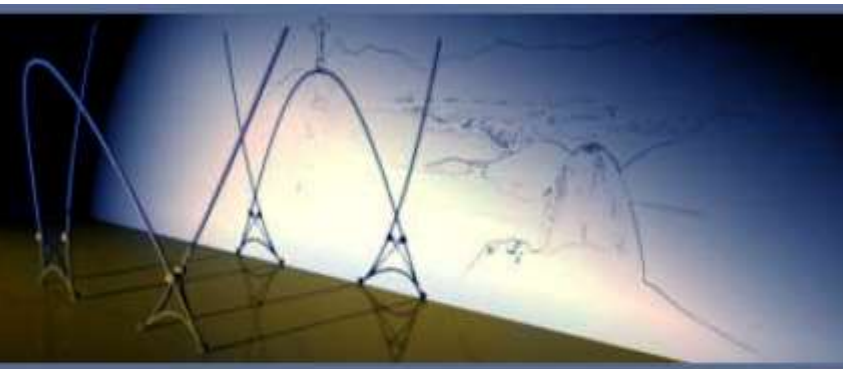
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Luis Florial Espinoza Sanchez** - **Universidade Federal de Uberlândia**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

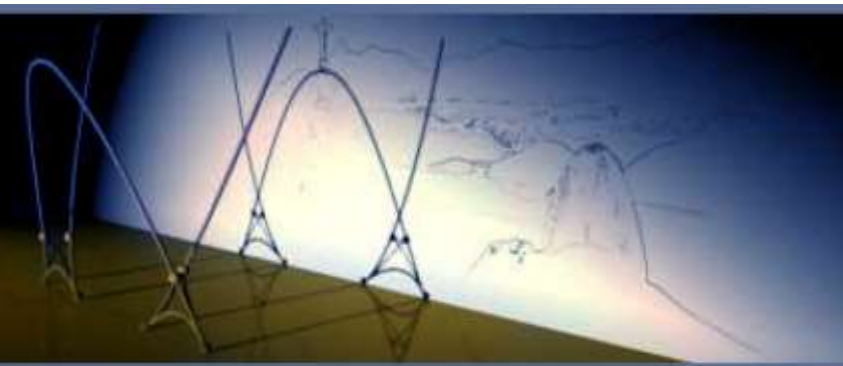
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Maicom Douglas Varella Costa** - **Universidade Federal de São Carlos**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

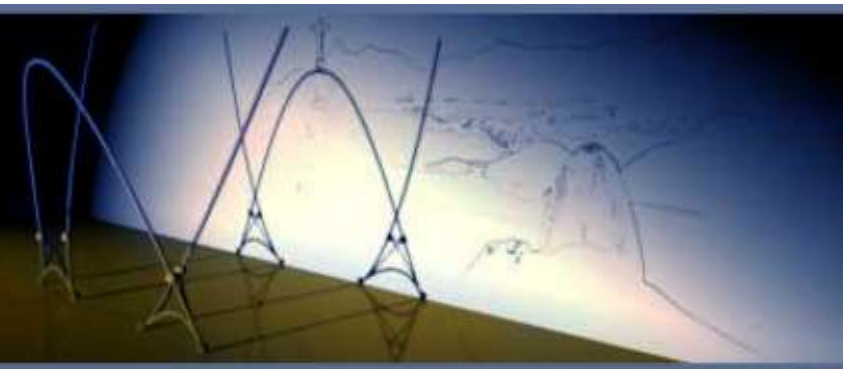
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Marcelo Escudeiro Hernandes** - **Universidade Estadual de Maringá**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

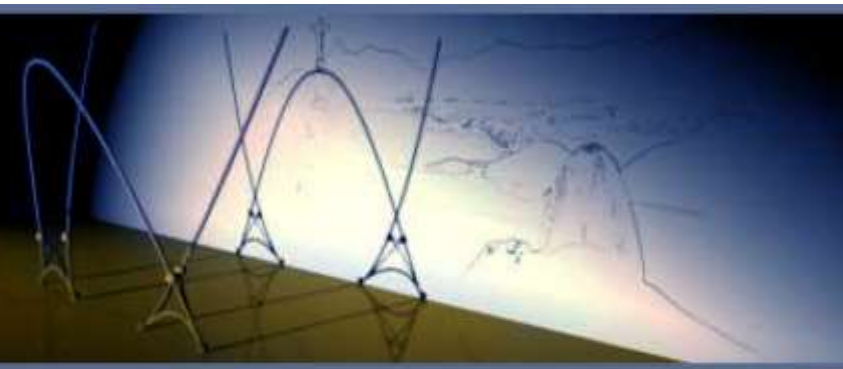
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Marcelo José Saia** - Inst. Ciên. Matemática e Comp. de São Carlos, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

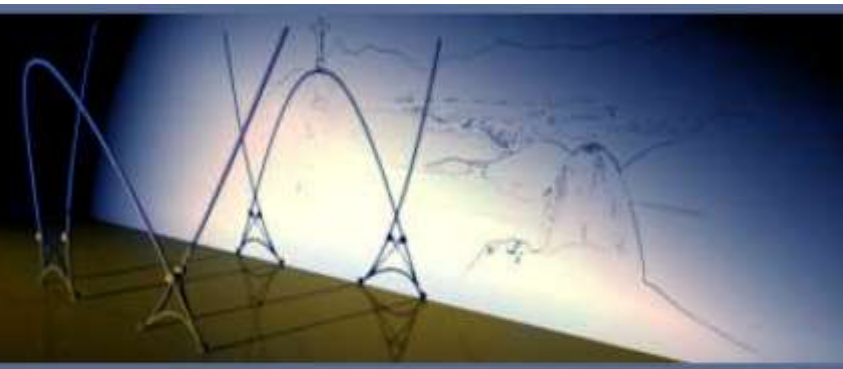
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Maria Aparecida Soares Ruas** - Inst. Ciên. Matemática e Comp. de **São Carlos**, participated in the *International Meeting of young researchers in Singularity Theory & in the IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

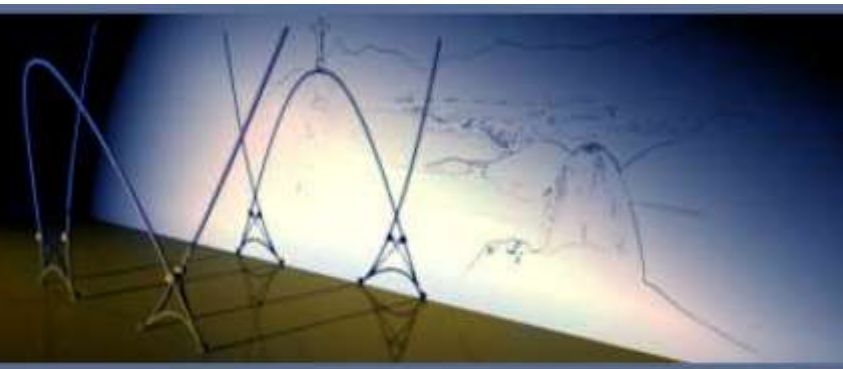
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Míriam Garcia Manoel** - **Inst. de Ciências Matemáticas e de Computação**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

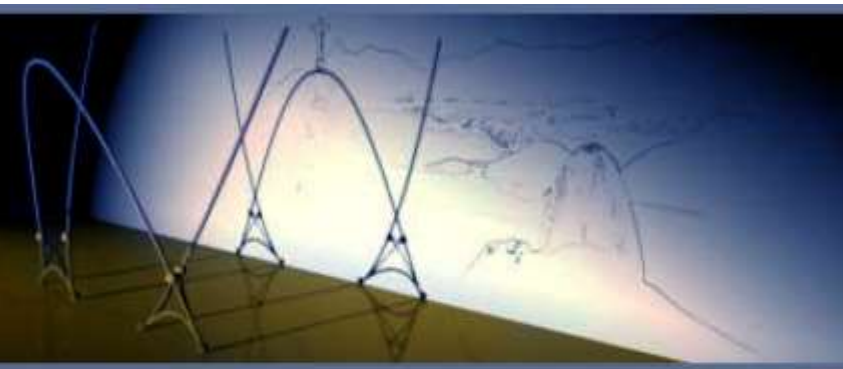
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Nivaldo de Góes Grulha Junior** - Inst. Ciên. Matemática e Comp. de **São Carlos**, participated in the *International Meeting of young researchers in Singularity Theory & in the IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

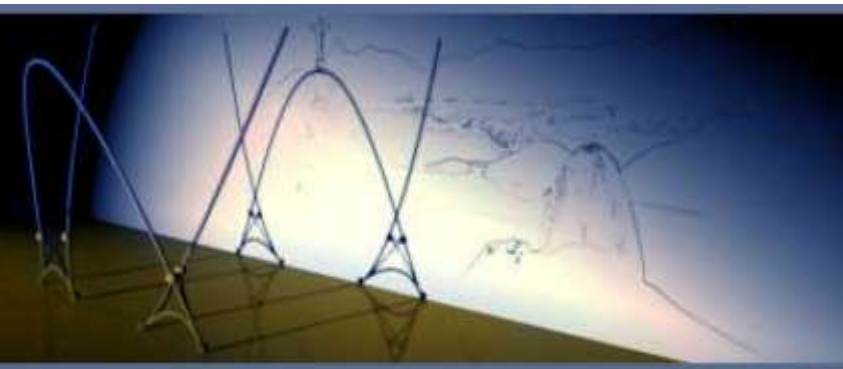
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Otoniel Nogueira da Silva** - **Universidad Nacional Autonoma de Mexico**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

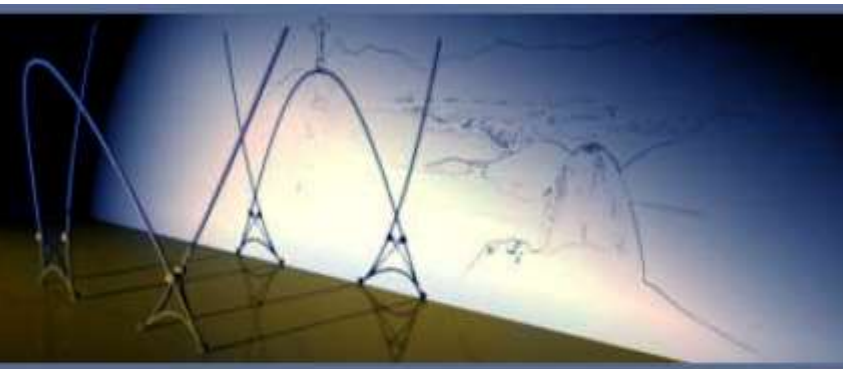
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Patrícia Tempesta** - **Universidade Federal de São João del-Rei**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

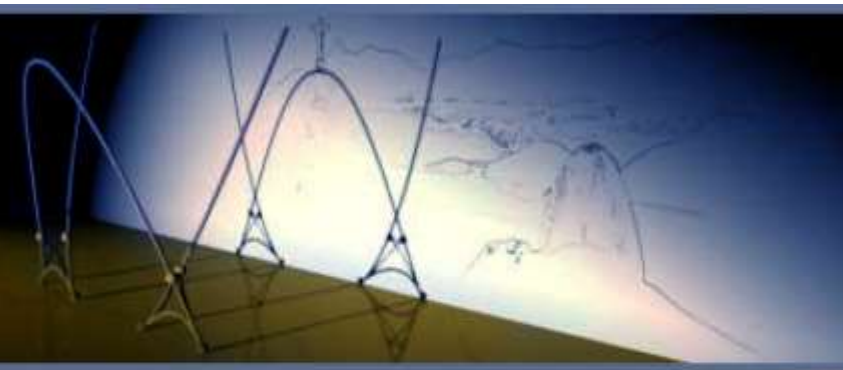
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Pedro Benedini Riul** - **Universidade Federal de São João del-Rei**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

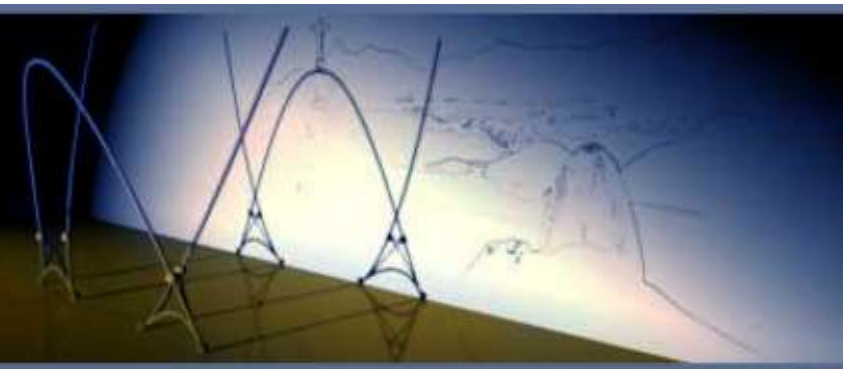
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Rodrigo Salomão - Universidade Federal Fluminense**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

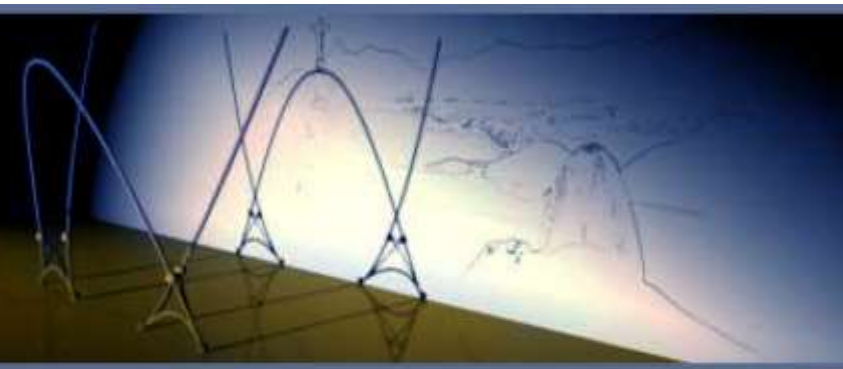
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Rogério Santos Mol** - **Universidade Federal de Minas Gerais**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

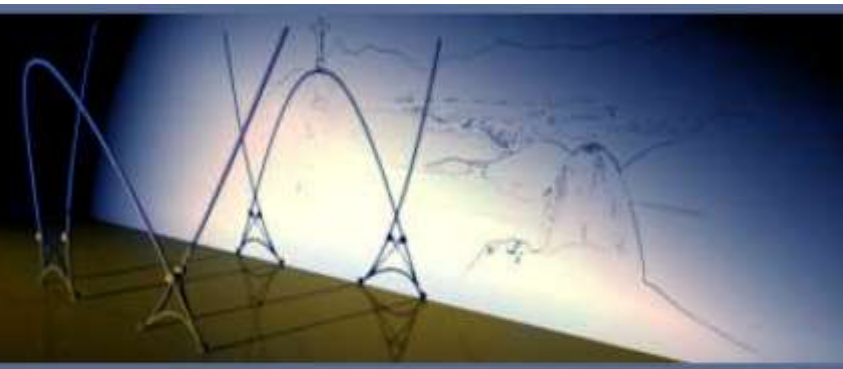
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Sergey Agafonov** - **Universidade Estadual Paulista - São José do Rio Preto**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

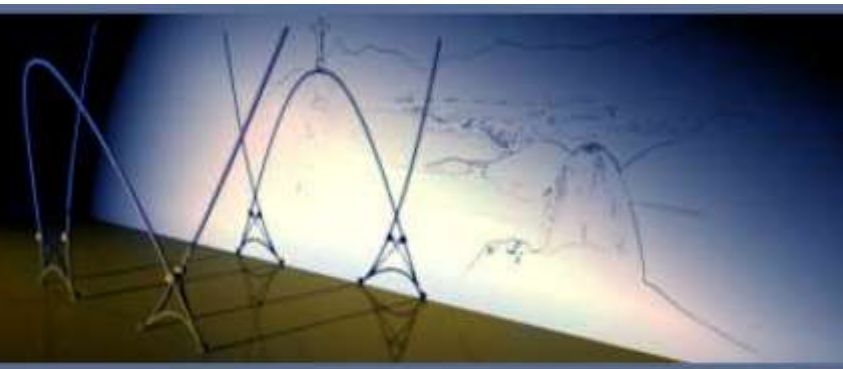
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Stanislaw Janeczko** - Institute of Mathematics, Polish Academy of Sciences, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

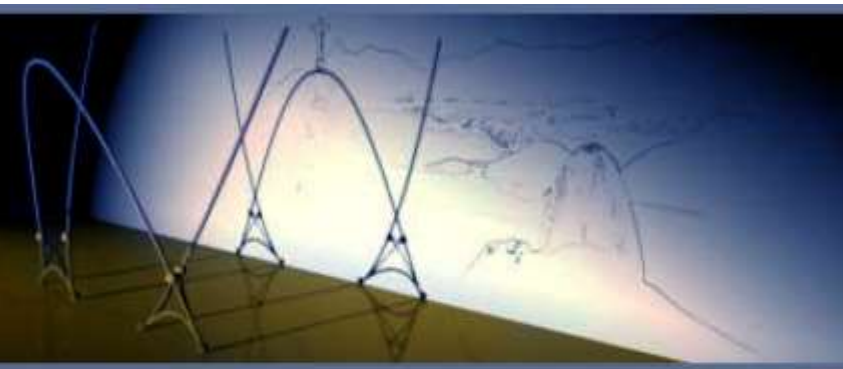
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Terence Gaffney - Northeastern University, Boston, Usa**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

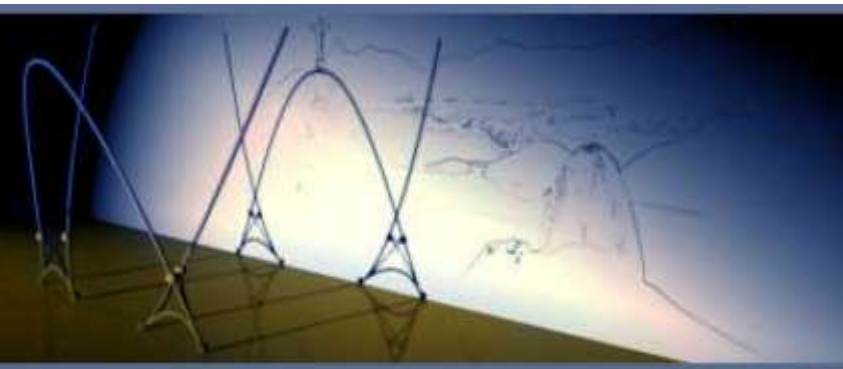
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Thaís Maria Dalbelo** - **Universidade Federal de São Carlos**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

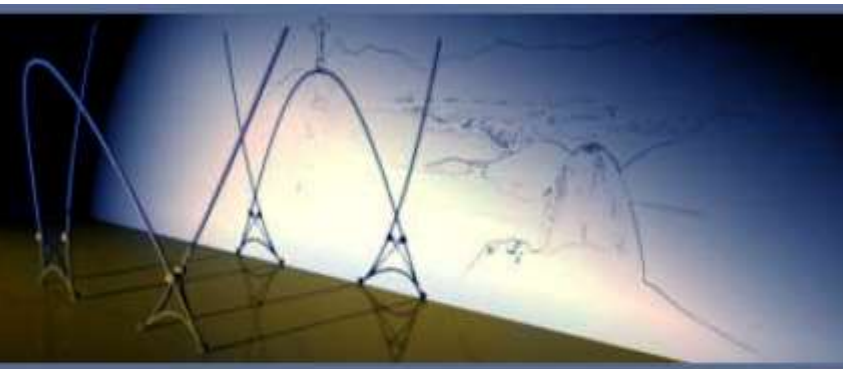
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Thiago Fassarella do Amaral** - **Universidade Federal Fluminense**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

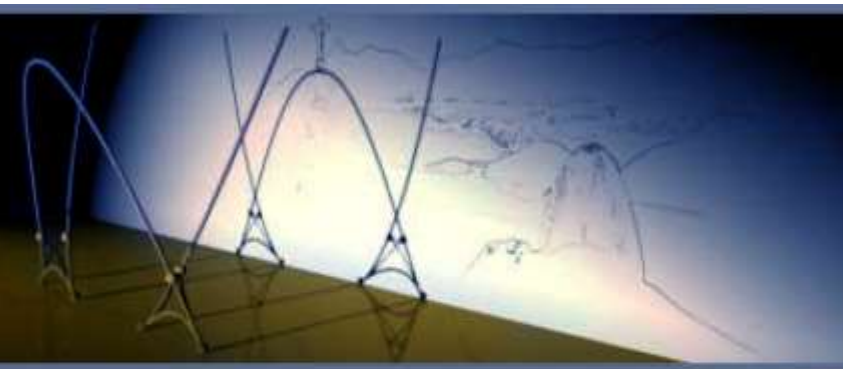
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Thiago Filipe da Silva** - **Universidade Federal do Espírito Santo**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

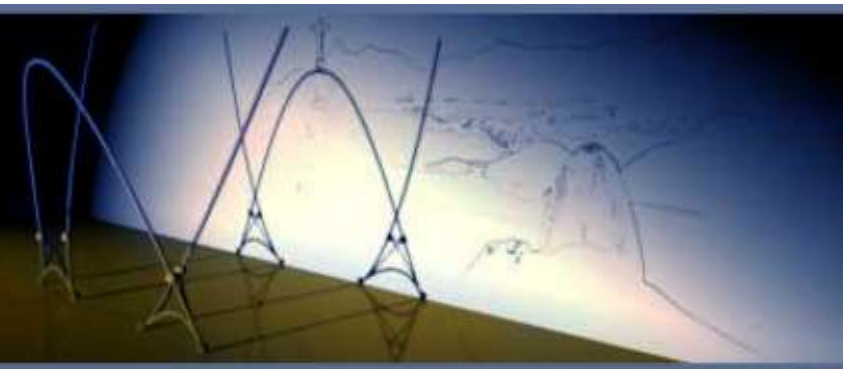
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Vincent Jean Henri Grandjean** - **Universidade Federal do Ceará**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

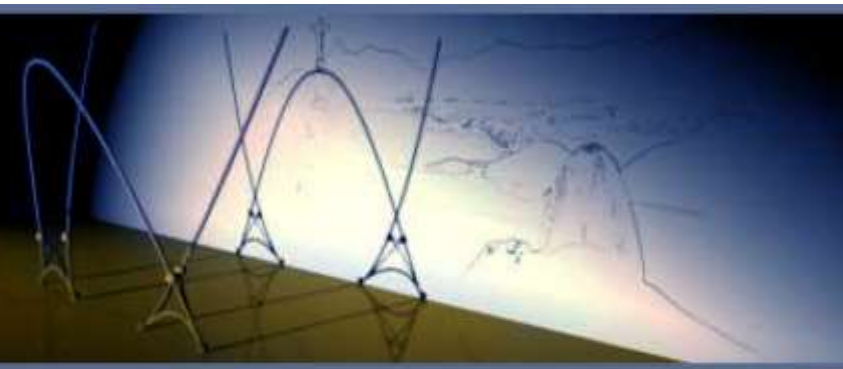
Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee

International Meeting of young researchers in Singularity Theory and related fields
IX Workshop on Algebraic Theory of Singularities

Rio de Janeiro
March 02 - 07, 2020

CERTIFICATE



We hereby certify that, **Zbigniew Jelonek** - **Polish Academy of Sciences**, participated in the *International Meeting of young researchers in Singularity Theory* & in the *IX Workshop on Algebraic Theory of Singularities*, held at IMPA, Rio de Janeiro, March 02 – 07, 2020.

Rio de Janeiro, March 09th, 2020

Marcelo José Saia
Organizing Committee