

**XVI** Summer  
Workshop  
in  
**MATHEMATICS**

# CERTIFICATE

We hereby certify that

*Filipe Eduard Leite Ossege*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**



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# CERTIFICATE

We hereby certify that

*Késsia Tayná Azevedo Rodrigues da Silva*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Arthur Cesário Oliveira*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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**Support:**





# CERTIFICATE

We hereby certify that

*Mohammad Erfan Fahim Far*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Igor Dal Osto Pereira*

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We hereby certify that

*Érick Marcelino Miranda*

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# CERTIFICATE

We hereby certify that

*Ghytherme Patriota Nunes da Rocha*

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*Wallison Lourenço Amorim*

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*Kauê Rafalovik Bezerra*

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**Support:**





# CERTIFICATE

We hereby certify that

*Camila de Oliveira Vieira*

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*Aimê Gomes da Mata Kanzaki*

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*Ádria Maximino Ferreira da Silva*

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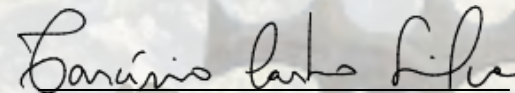
*Adilson Eduardo Presoto*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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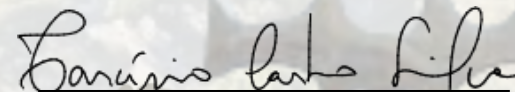
*Ayana Pinheiro de Castro Santana*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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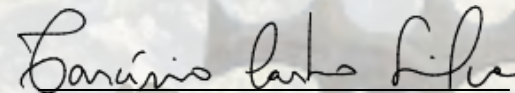
*Chao Ji*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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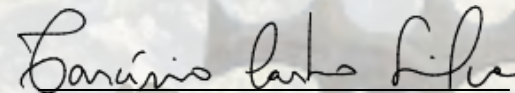
*Denilson da Silva Pereira*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Flávia Elisandra Magalhães Furtado*

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*Gabriel de Medeiros Nogueira*

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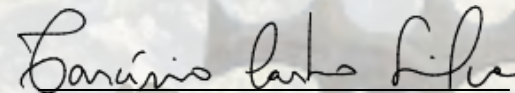
*George Demetrios Fernandes Leitão Kiametis*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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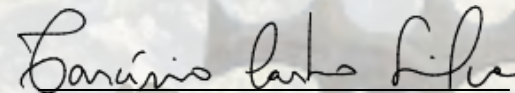
*Ismael Oliveira dos Anjos*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Jadde Thaine dos Santos Oliveira*

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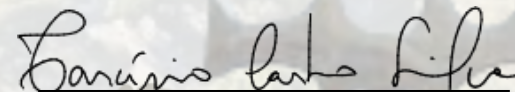
*João R. Santos Junior*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Karen Sabrina Gomes Viana*

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*Kaye Oliveira da Silva*

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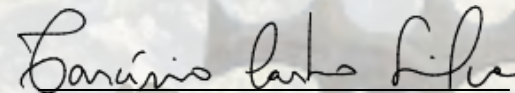
*Liliane de Almeida Maia*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Luana Carvalho Maciel*

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**Support:**





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*Manuela C. M. Rezende*

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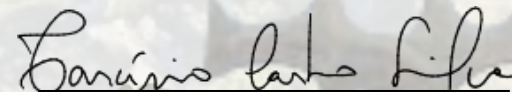
*Maristela Barbosa Cardoso*

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*Monica Clapp*

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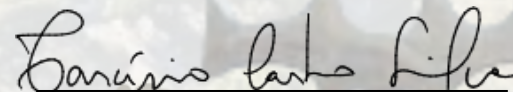
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**MATHEMATICS**

# CERTIFICATE

We hereby certify that

*Thiago Williams Siqueira Ramos*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





# CERTIFICATE

We hereby certify that

*Vitoria Henrylla Pinheiro Souza*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





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Workshop  
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**MATHEMATICS**

# CERTIFICATE

We hereby certify that

*Willian Cintra da Silva*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





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**MATHEMATICS**

# CERTIFICATE

We hereby certify that

*Thaynara A. de Lima*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





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# CERTIFICATE

We hereby certify that

*Mauricio Ayala-Rincon*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

Support:





# CERTIFICATE

We hereby certify that

*Christophe Ringeissen*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





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# CERTIFICATE

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*Davi*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
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Tarcísio Castro Silva  
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**Support:**





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# CERTIFICATE

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*Deivid Vale*

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**Support:**





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# CERTIFICATE

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*Mehwish Arshid*

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Sheila Campos Chagas  
General Coordinator



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General Coordinator

**Support:**





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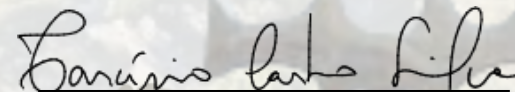
*Daniele Nantes Sobrinho*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**



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# CERTIFICATE

We hereby certify that

*Nikson Bernardes*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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# CERTIFICATE

We hereby certify that

*Teimuraz Kutsia*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





# CERTIFICATE

We hereby certify that

*Gabriela de Souza Ferreira*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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# CERTIFICATE

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Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





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**MATHEMATICS**

# CERTIFICATE

We hereby certify that

*Edna*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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General Coordinator



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General Coordinator

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# CERTIFICATE

We hereby certify that

*Javier Melo*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Sheila Campos Chagas  
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General Coordinator

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# CERTIFICATE

We hereby certify that

*Emanuel Firmino Abrantes*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Sheila Campos Chagas  
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# CERTIFICATE

We hereby certify that

*Sebastian*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

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# CERTIFICATE

We hereby certify that

*Chelsea Edmonds*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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**Support:**





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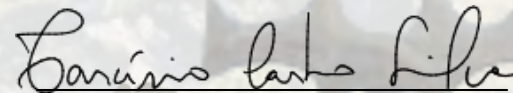
*Marcos Rony Silva Brandão*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



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General Coordinator

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# CERTIFICATE

We hereby certify that

*Vander Alves*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





# CERTIFICATE

We hereby certify that

*María Inés de Frutos Fernández*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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General Coordinator

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# CERTIFICATE

We hereby certify that

*Diego Soto Zúñiga*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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General Coordinator

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*Fernando Neres*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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General Coordinator

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# CERTIFICATE

We hereby certify that

*Arthur Trindade*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Sheila Campos Chagas  
General Coordinator



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General Coordinator

**Support:**





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We hereby certify that

*Jorge Lucas de Azevedo Ribeiro*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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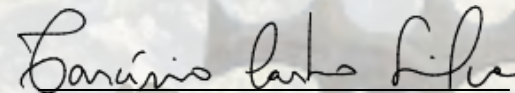
*Benedito Leandro*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



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General Coordinator

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We hereby certify that

*Artur Jorge Marinho*

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General Coordinator



Tarcísio Castro Silva  
General Coordinator

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We hereby certify that

*Róbson Louisa dos Santos*

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General Coordinator



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We hereby certify that

*Fernanda Alves Caixeta*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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We hereby certify that

*Jailson Oliveira Dias*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

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We hereby certify that

*Francisco Vanderson Lima*

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We hereby certify that

*Maria Andrade*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

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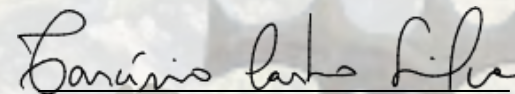
*Rafael Meira Carvalho Lino*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



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Tarcísio Castro Silva  
General Coordinator

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# CERTIFICATE

We hereby certify that

*Adriana Araújo Cintra*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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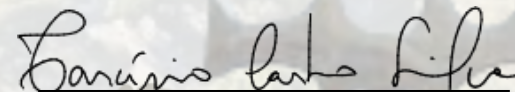
*Fernando Manfio*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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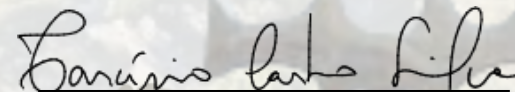
*Hiuri Reis*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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We hereby certify that

*Guilherme Sabo*

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# CERTIFICATE

We hereby certify that

*Valter Borges*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Hudson Pina de Oliveira*

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*Fabiane Soares*

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# CERTIFICATE

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*Matheus A. R. M. Horácio*

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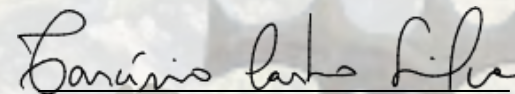
*Pedro Roitman*

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*Alexandre Oliveira Alves*

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**Support:**





# CERTIFICATE

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*Júlio César Pereira França*

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General Coordinator



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# CERTIFICATE

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*Miriam Cristina Ferreira Furtado*

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General Coordinator



Tarcísio Castro Silva  
General Coordinator

Support:





# CERTIFICATE

We hereby certify that

*Luciana Maria Dias de Ávila Rodrigues*

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# CERTIFICATE

We hereby certify that

*Keti Tenenblat*

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*Christe Hélida M. Montijo*

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General Coordinator



Tarcísio Castro Silva  
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# CERTIFICATE

We hereby certify that

*Gustavo Gabriel Lima Nunes*

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*André Luiz Galdino*

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General Coordinator



Tarcísio Castro Silva  
General Coordinator

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# CERTIFICATE

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*Higor Ricken Rocha*

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# CERTIFICATE

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*Esteban de Jesus Garcia Hernandez*

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# CERTIFICATE

We hereby certify that

*Yuri Sobral*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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**Support:**





# CERTIFICATE

We hereby certify that

*Daniel Lima Ventura*

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# CERTIFICATE

We hereby certify that

*Charles Araújo de Souza*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





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# CERTIFICATE

We hereby certify that

*Mailton Rego Almeida*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



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General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





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**MATHEMATICS**

# CERTIFICATE

We hereby certify that

*Leandro Martins Cioletti*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





# CERTIFICATE

We hereby certify that

*Vitor Machado Marques*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

Support:





# CERTIFICATE

We hereby certify that

*Marina Costa Merch dos Santos*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
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Tarcísio Castro Silva  
General Coordinator

Support:



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# CERTIFICATE

We hereby certify that

*Roberto Ribeiro*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





# CERTIFICATE

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*Carolina de Miranda Pereiro*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Tarcísio Castro Silva  
General Coordinator

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# CERTIFICATE

We hereby certify that

*Deyfila da Silva Lima*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

Support:





# CERTIFICATE

We hereby certify that

*Sharmenya Jany Andrade C. de Sousa*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Sheila Campos Chagas  
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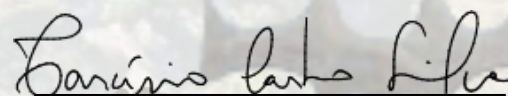
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# CERTIFICATE

We hereby certify that



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General Coordinator



Tarcísio Castro Silva  
General Coordinator

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# CERTIFICATE

We hereby certify that

*Gabriella Cristina de Souza*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



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General Coordinator

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# CERTIFICATE

We hereby certify that

*Júlia Mitsuno Kato*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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# CERTIFICATE

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*Millena Andrade da Silva*

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Sheila Campos Chagas  
General Coordinator



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General Coordinator

**Support:**





# CERTIFICATE

We hereby certify that

*Guilherme Borges Brandão*

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# CERTIFICATE

We hereby certify that

*João Victor Caires Santos*

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Brasilia, February 9th, 2024.



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General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





# CERTIFICATE

We hereby certify that

*Sofia de Siqueira e Souza*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



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General Coordinator



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General Coordinator

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We hereby certify that

*Noraí Rocco*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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General Coordinator



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General Coordinator

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# CERTIFICATE

We hereby certify that

*Emerson F. de Melo*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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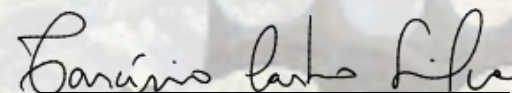
*Pedro Dib*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



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General Coordinator

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We hereby certify that

*Samuel Terto de Sousa Rodrigues*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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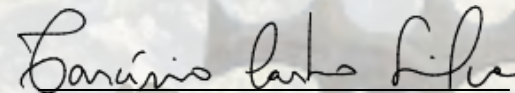
*Caio Barbosa da Cunha*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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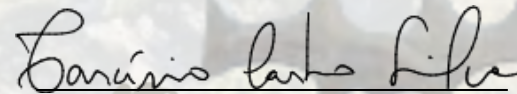
*Tulio Marcio Gentil dos Santos*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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General Coordinator

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We hereby certify that

*Xiaofang Gao*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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General Coordinator



Tarcísio Castro Silva  
General Coordinator

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We hereby certify that

*Nathalia Rebeqa R. Mesquita*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





# CERTIFICATE

We hereby certify that

*Alexandre Zaleski*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

Support:





# CERTIFICATE

We hereby certify that

*Pavel Shumiatzki*

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General Coordinator



Tarcísio Castro Silva  
General Coordinator

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We hereby certify that

*Eloisa Detomi*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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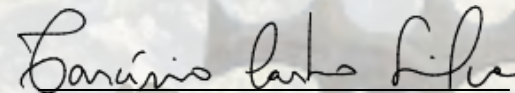
*Débora Senise*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Tarcísio Castro Silva  
General Coordinator

**Support:**





# CERTIFICATE

We hereby certify that

*Camila Gomes de Almeida*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Sheila Campos Chagas  
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Tarcísio Castro Silva  
General Coordinator

Support:





# CERTIFICATE

We hereby certify that

*Vitória Henrylla Pinheiro Souza*

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Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

Support:





# CERTIFICATE

We hereby certify that

*Mariana Leopoldino da Cruz*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

Support:





# CERTIFICATE

We hereby certify that

*Camille Regina Soares Araújo*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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General Coordinator

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# CERTIFICATE

We hereby certify that

*Ângelo Felipe Machado Silva*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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General Coordinator



Tarcísio Castro Silva  
General Coordinator

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We hereby certify that

*Elves A. B. Silva*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Tarcísio Castro Silva  
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# CERTIFICATE

We hereby certify that

*Ricardo Ruviaro*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





# CERTIFICATE

We hereby certify that

*Mateus Figueiredo de Souza*

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We hereby certify that

*Humberto Ramos Quoirin*

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# CERTIFICATE

We hereby certify that

*Ronaldo Freire de Lima*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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**Support:**





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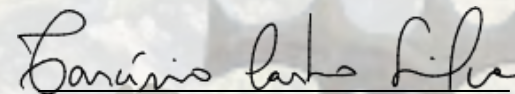
*Daniella Santaguida M. de Souza*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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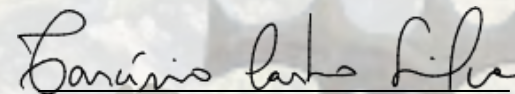
*Pedro Augusto Machado Cardoso*

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General Coordinator

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*Benjamín Bedregal*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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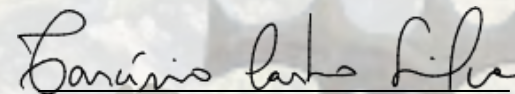
*Cilia Cardoso Rodrigues*

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General Coordinator

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# CERTIFICATE

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*Andrés Felipe González Barragan*

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*Edward Hermann Haeusler*

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# CERTIFICATE

We hereby certify that

*Ali Khan Caires*

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# CERTIFICATE

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*Maria Júlia Dias Lima*

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Support:





# CERTIFICATE

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*Flávio Leonardo Cavalcanti de Moura*

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General Coordinator

Support:





# CERTIFICATE

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*Michael Anton Hoegele*

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# CERTIFICATE

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*Paulo Henrique Pereira da Costa*

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*Ary Vasconcelos Medino*

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**Support:**





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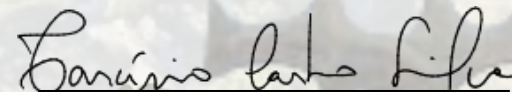
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*Josinalva Estácio Menezes*

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Brasilia, February 9th, 2024.



Sheila Campos Chagas  
General Coordinator



Tarcísio Castro Silva  
General Coordinator

**Support:**





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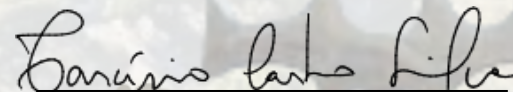
*Raquel Carneiro Dörr*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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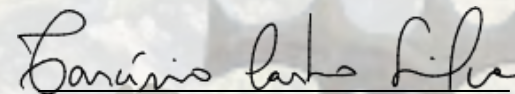
*Matheus de Resende Ávila Meireles*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Alessandro Jacques Ribeiro*

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*Liviam Santana Fontes*

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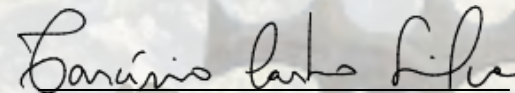
*Alexandre Tolentino de Carvalho*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Amaral Rodrigues Gomes*

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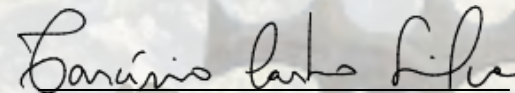
*Hudson Vieira de Sousa*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Tiêgo dos Santos Freitas*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Caio Vinícius da Silva*

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*Elias Rafael de Sousa*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Fred Enrique González*

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*Guilherme Enrique Ramírez*

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*Márcial Rodrigues Leal*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Isabella Venâncio Pinheiro de Sousa*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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We hereby certify that

*Cleia Alves Nogueira*

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*Raimunda de Oliveira*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Douglas Melo Fontes*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Vitor Barbosa Paz*

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*Marcio Lucas Freitas*

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*Mayra Camelo Madeira de Moura*

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*Weber Jaime de Almeida*

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*Nathália Rebeqa R. Mesquita*

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Sheila Campos Chagas  
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Tarcísio Castro Silva  
General Coordinator

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We hereby certify that

*Simone Vasconcelos da Silva*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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We hereby certify that

*Maria Dalwirene Braga*

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We hereby certify that

*Marlene Pereira do Nascimento Mendonça*

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*Danielly S. Figueiredo*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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Sheila Campos Chagas  
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We hereby certify that

*Maria Carolina Barros S. Ramos*

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We hereby certify that

*Célia Cardoso da Silva*

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General Coordinator

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We hereby certify that

*Samys Thompson dos Santos*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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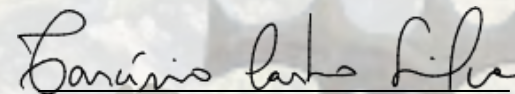
*Adervana do Socorro da Silva Melo*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Aline Cardoso Paiva*

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*Regina Pina*

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We hereby certify that

*Paulo Rodrigo Alves dos Reis*

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*Emmanuel Cristiano Lopes de Moraes*

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*Jonathan Torres Marinho*

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We hereby certify that

*Letícia da Conceição Ribeiro da Silva*

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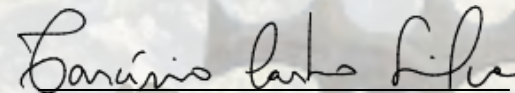
*Pedro Luiz Alves Gomes*

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*Lucas Teixeira dos Anjos*

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*Flávia Giovana de Magalhães S. Vieira*

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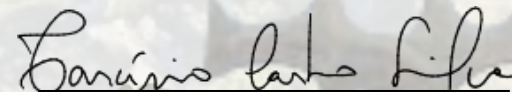
*Iris Helena Siqueira Souto*

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We hereby certify that

*Santiago Cardoso Castro*

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We hereby certify that

*Thafarel Teixeira Rodrigues da Costa*

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*Vinicius Costa Matos*

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*Kenia Costa Holanda*

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*Luiza do Carmos Marques*

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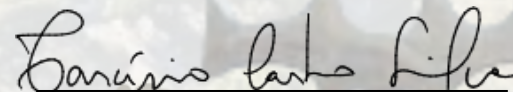
*Milena de Souza Mangueira*

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*Aurenice Rodrigues Câmara*

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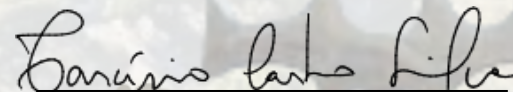
*Lorrane Moreira dos Santos*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

Brasilia, February 9th, 2024.



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General Coordinator



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*Rebeca Vilar Rezende*

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*Kallebe Cavalcante de Sousa*

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*Kauane Monteiro Lima da Silva*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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We hereby certify that

*Thaís Yuko Umetsu da Silva*

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*Homero Flores Samaniego*

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*Isabella Venâncio Pinheiro de Sousa*

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We hereby certify that

*Igor dos Santos Lima*

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We hereby certify that

*Érica Schwanka Penna*

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*Lucas Marinho Mendonça dos Santos*

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We hereby certify that

*André Von Borries Lopes*

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We hereby certify that

*Lineu da Costa Araújo Neto*

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We hereby certify that

*Adervana Socorro da Silva Melo*

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We hereby certify that

*Santhiago Cardoso de Castro*

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*Karly Alwarenga*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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*Ivone Miguela Mendes*

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We hereby certify that

*Flávia S. F. Marcatto*

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We hereby certify that

*Cleyton Hércules Gontijo*

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We hereby certify that

*Lara Beatriz de S. Teixeira*

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*Caio Nascimento Rocha*

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We hereby certify that

*Sabrina Cosendey Dutra da Silva*

participated of the XVI Summer Workshop in Mathematics, held from February 5th to February 9th, 2024, at University of Brasilia, Brasilia, Federal Disctric, Brazil.

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We hereby certify that

*Juliana Abrantes*

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We hereby certify that

*Orivam Ibiapina da Silva*

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We hereby certify that

*Isabela Batista de Sousa Damasceno*

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