

# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

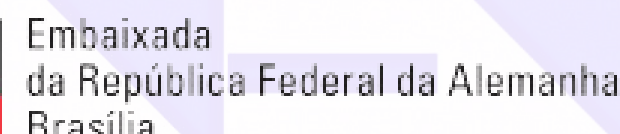
## Certificate

I hereby certificate that **Alexandre Zaleski** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled *“Elements of almost simple spectrum in representations of Algebraic Groups”*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Alexander Arbieta** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*“Quasi-Compactness of Transfer Operators on Besov Spaces”*



**Jaqueline Godoy Mesquita**  
Coordinator

Organizers and Support



Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Everaldo de Mello Bonotto** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*"Boundary value problems for generalized ordinary differential equations"*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



TWAS YOUNG  
AFFILIATES/ALUMNI  
NETWORK



SOCIEDADE BRASILEIRA DE MATEMÁTICA



Academia Joven  
de Argentina



Serviço Social da Indústria  
PELO FUTURO DO TRABALHO



Universidade de Brasília  
Instituto de Ciências Exatas



Departamento de  
Matemática



FGV EMap



Fundação de Empreendimentos Científicos e Tecnológicos



sociedade brasileira de  
AUTOMÁTICA



Assessoria & Comunicação



ACADEMIA  
BRASILEIRA  
DE CIÊNCIAS



INSTITUTE OF THE MATHEMATICAL  
SCIENCES OF THE AMERICAS  
AT THE UNIVERSITY OF MIAMI



SOCIEDAD  
MATEMÁTICA  
MEXICANA



Latin America  
and the Caribbean  
Regional Partner



Embaixada  
da República Federal da Alemanha  
Brasília



HEIDELBERG  
LAUREATE FORUM  
FOUNDATION

### Partners

# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Carolina Neira Jiménez** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*“Pseudodifferential Operators on the Noncommutative Torus”*



**Jaqueline Godoy Mesquita**  
Coordinator

Organizers and Support



Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Claudio Gorodski** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*"A diameter gap for isometric quotients of the unit sphere"*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Elizaveta Vishnyakova** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled

*"Graded coverings in supergeometry"*



**Jaqueline Godoy Mesquita**  
Coordinator

Organizers and Support

**TYAN**

TWAS YOUNG  
AFFILIATES/ALUMNI  
NETWORK

**SBM**  
SOCIEDADE BRASILEIRA DE MATEMÁTICA



Academia Joven  
de Argentina

**SESI**  
Serviço Social da Indústria  
PELO FUTURO DO TRABALHO

Universidade de Brasília  
Instituto de Ciências Exatas

**FGV EMap**

**FINATEC**  
Fundação de Empreendimentos Científicos e Tecnológicos

**SbA**  
sociedade brasileira de  
AUTOMÁTICA

**Start**  
Assessoria & Comunicação



**IMSA**  
INSTITUTE OF THE MATHEMATICAL  
SCIENCES OF THE AMERICAS  
AT THE UNIVERSITY OF MIAMI



SOCIEDAD  
MATEMÁTICA  
MEXICANA



TWAS  
LACREP  
Latin America  
and the Caribbean  
Regional Partner

**serrapilheira**



Embaixada  
da República Federal da Alemanha  
Brasília

**HEIDELBERG  
LAUREATE FORUM  
FOUNDATION**

Partners



MCMXXVI

# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Fabio Armando Tal** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled

*“Weak conditions implying annular chaos”*



**Jaqueline Godoy Mesquita**  
Coordinator

Organizers and Support



Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Ferrán Valdez** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*"Exploring Big Mapping Class Groups: A Panoramic Overview"*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners





# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Gabriela Planas** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*“Decay of solutions for 4D energy-critical nonlinear heat equation”*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

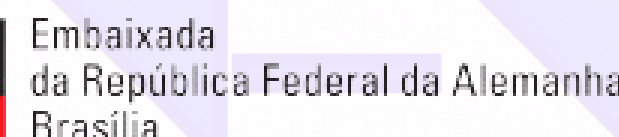
## Certificate

I hereby certificate that **Gabriela Araujo-Pardo** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*"Bipartite biregular cages: block designs and generalized polygons"*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Igor Lima** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled

*"Subgroup separability of surface braid groups"*



**Jaqueline Godoy Mesquita**  
Coordinator

Organizers and Support



Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Irina Sviridova** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*"Relations, Identities, Gradings and actions in algebras"*



**Jaqueline Godoy Mesquita**  
Coordinator

Organizers and Support

**TYAN**

TWAS YOUNG  
AFFILIATES/ALUMNI  
NETWORK

**SBM**  
SOCIEDADE BRASILEIRA DE MATEMÁTICA



Academia Joven  
de Argentina

**SESI**  
Serviço Social da Indústria  
PELO FUTURO DO TRABALHO

Universidade de Brasília  
Instituto de Ciências Exatas

**FGV EMap**

**FINATEC**  
Fundação de Empreendimentos Científicos e Tecnológicos

**SbA**  
sociedade brasileira de  
AUTOMÁTICA

**Start**  
Assessoria & Comunicação

Partners

**ACADEMIA  
BRASILEIRA  
DE CIÊNCIAS**  
MCMXXVI

**INCTMat**

**IMSA**  
INSTITUTE OF THE MATHEMATICAL  
SCIENCES OF THE AMERICAS  
AT THE UNIVERSITY OF MIAMI

**SOCIEDAD  
MATEMÁTICA  
MEXICANA**

**TWAS  
LACREP**  
Latin America  
and the Caribbean  
Regional Partner

**serrapilheira**

Embaixada  
da República Federal da Alemanha  
Brasília

**HEIDELBERG  
LAUREATE FORUM  
FOUNDATION**

# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Jhoel Sandoval Gutierrez** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled

*"Normal subgroups in limit groups of prime index"*



**Jaqueline Godoy Mesquita**  
Coordinator

Organizers and Support

**TYAN**

TWAS YOUNG  
AFFILIATES/ALUMNI  
NETWORK

**SBM**  
SOCIEDADE BRASILEIRA DE MATEMÁTICA



Academia Joven  
de Argentina

**SESI**  
Serviço Social da Indústria  
PELO FUTURO DO TRABALHO

Universidade de Brasília  
Instituto de Ciências Exatas

**FGV EMap**

**FINATEC**  
Fundação de Empreendimentos Científicos e Tecnológicos

**SbA**  
sociedade brasileira de  
AUTOMÁTICA

**Start**  
Assessoria & Comunicação



**IMSA**  
INSTITUTE OF THE MATHEMATICAL  
SCIENCES OF THE AMERICAS  
AT THE UNIVERSITY OF MIAMI



SOCIEDAD  
MATEMÁTICA  
MEXICANA



TWAS  
LACREP  
Latin America  
and the Caribbean  
Regional Partner

**serrapilheira**



Embaixada  
da República Federal da Alemanha  
Brasília

**HEIDELBERG  
LAUREATE FORUM  
FOUNDATION**

Partners



MCMXXVI

# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

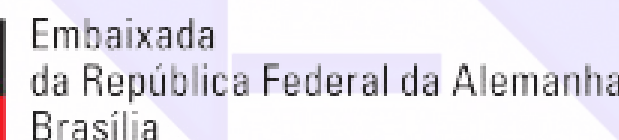
I hereby certificate that **José Nazareno Vieira Gomes** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled

*"Geometrical and analytical results for Einstein solitons"*

*JG Mesquita*

**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

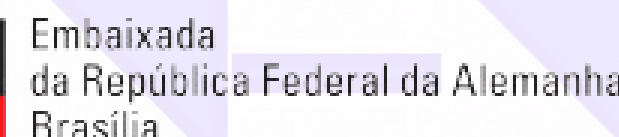
## Certificate

I hereby certificate that **Marcio Jorge da Silva** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*“Curved beam Systems with Partial Thermoelastic Feedback”*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Maria Soledad Aronna** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled

*“Control of Biological Systems”*

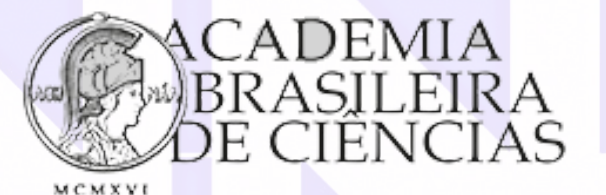


**Jaqueline Godoy Mesquita**  
Coordinator

Organizers and Support



Partners





# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Mayra Soares** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*"Boundary Weak Harnack Estimates and Regularity for Elliptic PDE in Divergence*

Form"  
JG Mesquita

**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support

**TYAN**

TWAS YOUNG  
AFFILIATES/ALUMNI  
NETWORK

**SBM**  
SOCIEDADE BRASILEIRA DE MATEMÁTICA



Academia Joven  
de Argentina

**SESI**  
Serviço Social da Indústria  
PELO FUTURO DO TRABALHO

Universidade de Brasília  
Instituto de Ciências Exatas

**FGV EMap**

**FINATEC**  
Fundação de Empreendimentos Científicos e Tecnológicos

**SbA**  
sociedade brasileira de  
AUTOMÁTICA

**Start**  
Assessoria & Comunicação



**IMSA**  
INSTITUTE OF THE MATHEMATICAL  
SCIENCES OF THE AMERICAS  
AT THE UNIVERSITY OF MIAMI



SOCIEDAD  
MATEMÁTICA  
MEXICANA



TWAS  
LACREP  
Latin America  
and the Caribbean  
Regional Partner

**serrapilheira**



Embaixada  
da República Federal da Alemanha  
Brasília

**HEIDELBERG  
LAUREATE FORUM  
FOUNDATION**

### Partners

**ACADEMIA  
BRASILEIRA  
DE CIÊNCIAS**  
MCMXXVI

# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

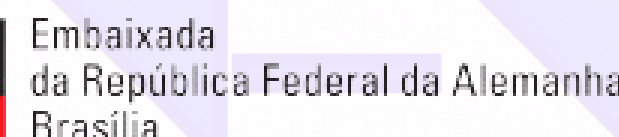
## Certificate

I hereby certificate that **Mohsen Amiri** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled *“Solvable finite group with a nilpotent normal complement subgroup”*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Nathália Nogueira Gonçalves** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled

*"The exponent of the non-abelian  $q$ -tensor square and related constructions of  $p$ -groups"*

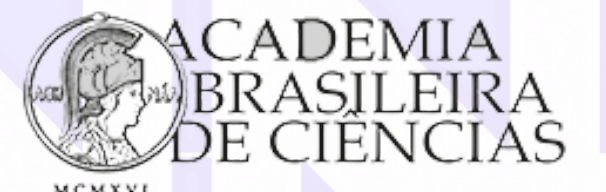
*JG Mesquita*

**Jaqueline Godoy Mesquita**  
Coordinator

Organizers and Support



Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

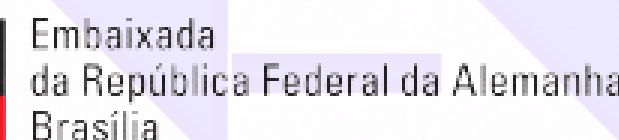
## Certificate

I hereby certificate that **Pedro Roitman** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*"A class of surfaces related to a problem posed by Élie Cartan"*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Pierluigi Benevieri** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled

*"Global bifurcation results for a delay differential system representing a chemostat model"*

*JG Mesquita*

**Jaqueline Godoy Mesquita**

Coordinator

Organizers and Support

Partners

**TYAN**

TWAS YOUNG  
AFFILIATES/ALUMNI  
NETWORK

**SBM**  
SOCIEDADE BRASILEIRA DE MATEMÁTICA



Academia Joven  
de Argentina

**SESI**  
Serviço Social da Indústria  
PELO FUTURO DO TRABALHO

Universidade de Brasília  
Instituto de Ciências Exatas

**FGV EMap**

**SbA**  
sociedade brasileira de  
AUTOMÁTICA

**Start**  
Assessoria & Comunicação

ACADEMIA  
BRASILEIRA  
DE CIÊNCIAS  
MCMXXVI

**INCTMat**

**IMSA**  
INSTITUTE OF THE MATHEMATICAL  
SCIENCES OF THE AMERICAS  
AT THE UNIVERSITY OF MIAMI

SOCIEDAD  
MATEMÁTICA  
MEXICANA

TWAS  
LACREP  
Latin America  
and the Caribbean  
Regional Partner

serrapilheira

Embaixada  
da República Federal da Alemanha  
Brasília

HEIDELBERG  
LAUREATE FORUM  
FOUNDATION

# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Raimundo de Araújo Bastos Júnior** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled

*"Torção Generalizada em Grupos"*



**Jaqueline Godoy Mesquita**  
Coordinator

Organizers and Support

**TYAN**

TWAS YOUNG  
AFFILIATES/ALUMNI  
NETWORK

**SBM**  
SOCIEDADE BRASILEIRA DE MATEMÁTICA



Academia Joven  
de Argentina

**SESI**  
Serviço Social da Indústria  
PELO FUTURO DO TRABALHO

Universidade de Brasília  
Instituto de Ciências Exatas

**FGV EMap**

**FINATEC**  
Fundação de Empreendimentos Científicos e Tecnológicos

**SbA**  
sociedade brasileira de  
AUTOMÁTICA

**Start**  
Assessoria & Comunicação



**IMSA**  
INSTITUTE OF THE MATHEMATICAL  
SCIENCES OF THE AMERICAS  
AT THE UNIVERSITY OF MIAMI



SOCIEDAD  
MATEMÁTICA  
MEXICANA



TWAS  
LACREP  
Latin America  
and the Caribbean  
Regional Partner

**serrapilheira**



Embaixada  
da República Federal da Alemanha  
Brasília

**HEIDELBERG  
LAUREATE FORUM  
FOUNDATION**

Partners



MCMXXVI

# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

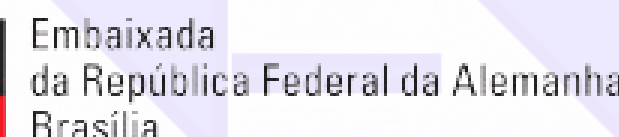
I hereby certificate that **Rayssa Caju** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled

*"Constant Q-curvature metrics"*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Sabrina Streipet** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*“Derivation and analysis of discrete population models with delayed growth”*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners





# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

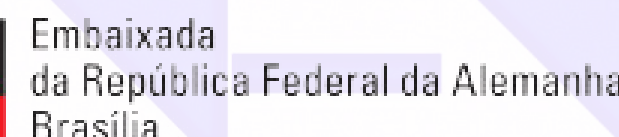
## Certificate

I hereby certificate that **Sergey Tikhomirov** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled  
*“Mixing zone in miscible displacement in porous media”*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Tiago Roux Oliveira** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled *“Extremum Seeking for Infinite-Dimensional Systems: from Delays to PDEs”*



**Jaqueline Godoy Mesquita**  
Coordinator

Organizers and Support



Partners



# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Tom Cuchta** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled

*"Analogues of hypergeometric series"*



**Jaqueline Godoy Mesquita**  
Coordinator

Organizers and Support

**TYAN**

TWAS YOUNG  
AFFILIATES/ALUMNI  
NETWORK

**SBM**  
SOCIEDADE BRASILEIRA DE MATEMÁTICA



Academia Joven  
de Argentina

**SESI**  
Serviço Social da Indústria  
PELO FUTURO DO TRABALHO

Universidade de Brasília  
Instituto de Ciências Exatas

**FGV EMap**

**FINATEC**  
Fundação de Empreendimentos Científicos e Tecnológicos

**SbA**  
sociedade brasileira de  
AUTOMÁTICA

**Start**  
Assessoria & Comunicação

Partners

**ACADEMIA  
BRASILEIRA  
DE CIÊNCIAS**  
MCMXXVI

**INCTMat**

**IMSA**  
INSTITUTE OF THE MATHEMATICAL  
SCIENCES OF THE AMERICAS  
AT THE UNIVERSITY OF MIAMI

**SOCIEDAD  
MATEMÁTICA  
MEXICANA**

**TWAS  
LACREP**  
Latin America  
and the Caribbean  
Regional Partner

**serrapilheira**

Embaixada  
da República Federal da Alemanha  
Brasília

**HEIDELBERG  
LAUREATE FORUM  
FOUNDATION**

# 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics

## Certificate

I hereby certificate that **Umberto Leone Hryniewicz** has participated as invited speaker at 9th TYAN International Thematic Workshop on Mathematics and 1st TYAN-Humboldt Workshop in Mathematics, that held at Universidade de Brasília, Brazil, in October 02-06, 2023, presenting the invited talk entitled

*"Two or Infinity"*



**Jaqueline Godoy Mesquita**  
Coordinator

### Organizers and Support



### Partners

