

CERTIFICATE

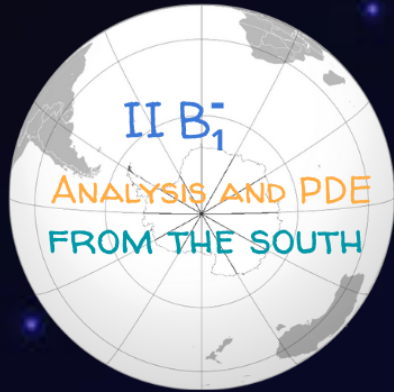
We hereby certify that,

Gustavo de Paula Ramos,
Instituto de Matemática e Estatística – Universidade de São Paulo,

participated in the advanced school II [B_1^-]: **Analysis and PDE from the south**, held at Video conferencing platform Zoom, on January 24th to February 4th, 2022 and presented a poster communication entitled:

“Nondegenerate solutions for constrained problems”.

JULIANA FERNANDES PIMENTEL
ORGANIZING COMMITTEE



CERTIFICATE

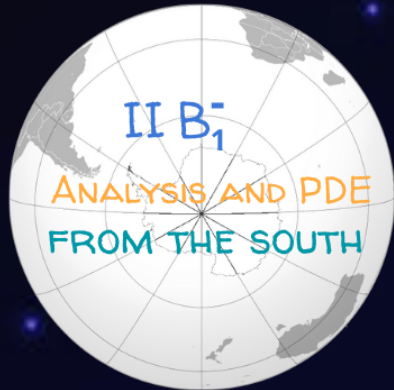
We hereby certify that,

José Antonio Villa Morales,
Institute of Mathematics, UNAM,

participated in the advanced school II [B_1^-]: **Analysis and PDE from the south**, held at Video conferencing platform Zoom, on January 24th to February 4th, 2022 and presented a poster communication entitled:

“Hierarchical control of the semi-linear heat equation with boundary controls”.

JULIANA FERNANDES PIMENTEL
ORGANIZING COMMITTEE



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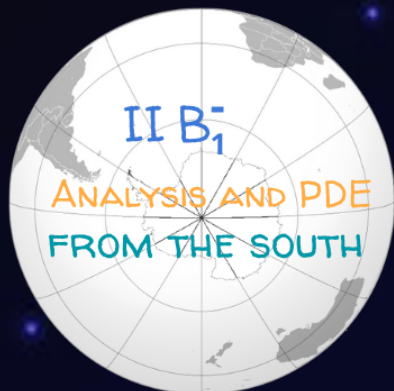
We hereby certify that,

Luciano Cipriano da Silva,
Instituto Federal do Rio Grande do Norte,

participated in the advanced school II [B_1^-]: **Analysis and PDE from the south**, held at Video conferencing platform Zoom, on January 24th to February 4th, 2022 and presented a poster communication entitled:

“Hierarchical exact controllability of semilinear parabolic equations”.

JULIANA FERNANDES PIMENTEL
ORGANIZING COMMITTEE



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We hereby certify that,

Yane Araújo,
Universidade Federal Rural de Pernambuco,

participated in the advanced school II [B_1^-]: **Analysis and PDE from the south**, held at Video conferencing platform Zoom, on January 24th to February 4th, 2022 and presented a poster communication entitled:

“A nonlinear perturbations of a integrodifferential equation”.

JULIANA FERNANDES PIMENTEL
ORGANIZING COMMITTEE