



**Università
degli Studi
di Palermo**

CENTRO DI STUDI AVANZATI "A.S.CENT."

CENTRE OF ADVANCED STUDIES "A.S.CENT."

The Director: Prof. Avv. Antonello MIRANDA

Full prof. of Comparative and European Law



To kind attention of Prof. **ANTONELLO MIRANDA**
Director of A.S.CENT. – Centre of Advanced Studies
University of Palermo
E-mail: advstudies@unipa.it

FINAL REPORT

The purpose of my stay was to collaborate on a research project with Prof. Antonella Nastasi at the Department of Engineering. During my stay we have obtained all the results needed to publish one research article in our field (the analysis of partial differential equations). To be more specific, we have proved the existence, comparison principle and uniqueness of solutions to the Cauchy-Dirichlet problem associated with a class of strongly anisotropic diffusion equations. During the period 30.3 - 5.4 also my PhD student Emiliano Peña Ayala was present in Palermo, as we all work together on this project. Apart from the research, I gave a seminar on the 1st of April regarding doubly nonlinear diffusion equations, which was attended by mathematicians and researchers from several other research disciplines.

A.S.Cent. - Centro di Studi Avanzati Univ. di Palermo - Centre of Advanced Studies, Palermo
University

<https://www.unipa.it/strutture/centre-of-advanced-studies/home.html>

General Communications: advstudies@unipa.it

Administrative

Office: ascent.admin@unipa.it



**Università
degli Studi
di Palermo**

CENTRO DI STUDI AVANZATI "A.S.CENT."

CENTRE OF ADVANCED STUDIES "A.S.CENT."

The Director: Prof. Avv. Antonello MIRANDA

Full prof. of Comparative and European Law



Date and place

01.05.2025, Palermo

Signature

A.S.Cent. - Centro di Studi Avanzati Univ. di Palermo - Centre of Advanced Studies, Palermo
University

<https://www.unipa.it/strutture/centre-of-advanced-studies/home.html>

General Communications: advstudies@unipa.it

Administrative

Office: ascent.admin@unipa.it