

Paulo Andrés Soto Moreno

Nationality: Colombian  **Email address:** paulo.soto@imj-prg.fr

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 **Home:** Paris (France)

EDUCATION AND TRAINING

PhD in Mathematics

Université Paris Cité / Institut de Mathématiques de Jussieu - Paris Rive Gauche (IMJ-PRG) [Nov 2022 – Aug 2025]

City: Paris **Country:** France **Thesis:** The Independence Property and Valued Fields of Positive Characteristic. Supervisor: Dr. Sylvie Ancombe

M2 Master's Degree in Mathematical Logic and Foundations of Informatics

Université Paris Cité [Aug 2021 – Sep 2022]

City: Paris **Country:** France **Final grade:** 16/20, Mention Très Bien **Thesis:** Inflators and Diffeo-valued Fields. Supervisor: Dr. Sylvie Ancombe

Master's Degree in Mathematics

Universidad de los Andes [Jul 2019 – May 2021]

City: Bogotá D.C. **Country:** Colombia **Final grade:** 4,61/5 **Thesis:** Dp-finite Hahn Series Fields. Supervisor: Dr. John Goodrick

Bachelor in Mathematics

Universidad de los Andes [Jan 2015 – May 2019]

City: Bogotá D.C. **Country:** Colombia **Final grade:** 4,21/5 **Thesis:** Keisler-Shelah's Theorem in Continuous Logic. Supervisor: Dr. Alexander Berenstein

Minor in French Language and Culture

Universidad de los Andes [Feb 2016 – May 2018]

City: Bogotá D.C. **Country:** Colombia

PUBLICATIONS

[2026]

On Some NIP Fragments of Fields

Authors: Paulo Andrés Soto Moreno

Preprint.

Link: <https://arxiv.org/abs/2602.03261>

[2025]

Fields of dp-Rank 2 and their W_2 -Topologies: The Characteristic 2 Case

Authors: Paulo Andrés Soto Moreno

Preprint, submitted.

Link: <https://arxiv.org/abs/2512.08468>

[2025]

Relative Quantifier Elimination for Separable-Algebraically Maximal Kaplansky Fields

Authors: Paulo Andrés Soto Moreno

Preprint, submitted.

Link: <https://arxiv.org/abs/2505.07418>

WORK EXPERIENCE

 **Université Paris Cité** – Paris, France

Attaché Temporaire d'Enseignement et de Recherche

[Sep 2025 – Aug 2026]

I am a teaching assistant of the following courses:

- Spring 2026: Analyse et Algèbre Linéaire, L1 CUPGE, Travaux Dirigés.
- Fall 2025: Logique et Suites, L1 MATH, Cours Magistral et Travaux Dirigés.
- Fall 2025: Algèbre et Analyse 3, L2 MIASHS, Travaux Dirigés.

 **Université Paris Cité** – Paris, France

Teaching Assistant

[2023 – 2025]

I was in charge of problem-solving sessions and grading of each course, under the supervision of an associate professor, in order to complement its contents.

I was a teaching assistant of the following courses:

- Spring 2025: Analyse et Algèbre Linéaire, Travaux Dirigés.
- Spring 2025: Outils Bureautiques et Informatiques, Travaux Pratiques.
- Fall 2023: Analyse et Algèbre Linéaire, Travaux Dirigés.
- Fall 2023: Tutorat de Mathématiques.

 **Model Theory Journal**

Reviewer

[Jun 2024 – Jul 2024]

 **Universidad de los Andes** – Bogotá D.C., Colombia

Teaching Assistant

[Jul 2016 – May 2021]

I was in charge of problem-solving sessions and grading of each course, under the supervision of an associate professor, in order to complement its contents.

I was a teaching assistant of the following courses:

- Spring 2021: Vector Calculus.
- Fall 2020: Vector Calculus.
- Spring 2020: Vector Calculus.
- Fall 2019: Differential Calculus, Precalculus.
- Spring 2019: Topology.
- Fall 2018: Mathematical Logic, Linear Algebra.
- Spring 2018: Differential Calculus.
- Spring 2017: Mathematical Logic.
- Fall 2016: Differential Calculus.

 **Universidad de los Andes** – Bogotá D.C., Colombia

Social Work Practice Educator

[Jul 2017 – Nov 2017]

I was in charge of organizing and teaching high-school contents to a group of students of Bogotá's school network in order to enhance their academic aptitudes and increase their chances to pursue a university career.

LANGUAGE SKILLS

Mother tongue(s): Spanish

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION B2 SPOKEN INTERACTION C1

Portuguese

LISTENING C1 READING C1 WRITING B2

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

French

LISTENING B2 READING B2 WRITING B2

SPOKEN PRODUCTION B2 SPOKEN INTERACTION B2

HONOURS AND AWARDS

[May 2022] Fondation des Sciences Mathématiques de Paris

Cofund MathInParis Scholarship The Mathematic Sciences Foundation of Paris grants this scholarship to outstanding students wanting to pursue a PhD within the city's university network.

[Jul 2021] Fondation des Sciences Mathématiques de Paris

Scholarship of the Paris Graduate School of Mathematics The Mathematic Sciences Foundation of Paris grants this scholarship to outstanding students all over the world wanting to pursue a Master's Degree within the city's university network.

[Jul 2019] Mathematics Department - Universidad de los Andes

Scholarship of Academic Excellence The Mathematics Department of the university grants this scholarship to students with an excellent academic and pedagogic performance before and throughout the Master's Degree.

[Apr 2015] Universidad de los Andes

Laureate of the Alberto Magno Prix The university grants this prix to the ten highest scores of the ICFES test (state examination similar to USA's SAT) joining the university.

[Dec 2014] National Ministry of Education - Colombia

Laureate of the Andrés Bello Prix The National Ministry of Education grants this prix to the ten highest scores of the ICFES test (state examination similar to USA's SAT) of the country.

[Nov 2014] Universidad de Antioquia

Silver Medal - Chemistry Olympiads The university organizes a high-school chemistry olympiad in which schools of both Bogotá and Medellín can participate.

[Oct 2014] Universidad de los Andes

Scholarship 'Quiero Estudiar Escala' The university grants this scholarship to students with economic difficulties who prove to have excellent personal and academic skills.