

Yassine Ait Mohamed





Curriculum Vitae | January 2025

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Education

- 2024 – Present  **PhD Student**, University of Sherbrooke.
Field: Algebraic and Symplectic Geometry.
- 2022 – 2023  **PhD Student**, University of Sidi Mohamed Ben Abdellah.
Field: Pure Mathematics.
Thesis Title: *On Derivations that Satisfy Certain Algebraic Conditions on Rings*.
- 2020 – 2022  **Master's Degree**, University of Sidi Mohamed Ben Abdellah.
Thesis Title: *Divisors in Algebraic Geometry, Central Simple Algebras, and Severi-Brauer Varieties*.
- 2016 – 2020  **Bachelor's Degree**, University of Moulay Ismail.
Thesis Title: *The Spectrum and the Jacobson Radical in a Commutative Ring*.
- 2015 – 2016  **High School Diploma in Experimental Sciences**, High School Boumia.
Specialization: Physics and Chemistry.







Talks

- November 2024  *On Bound Quivers*, MAT728 Selected Topics in Algebra, Faculty of Sciences, University of Sherbrooke.
- February 2023  *On Graded Rings (2)*, Seminar of Non-commutative Algebra, Laboratory of Meddling and Mathematical Structures, Faculty of Science and Technology, Fez.
- January 2023  *On Graded Rings (1)*, Seminar of Non-commutative Algebra, Laboratory of Meddling and Mathematical Structures, Faculty of Science and Technology, Fez.
- December 2021  *Tensor Algebra and Enveloping Algebra of a Lie Algebra*, Seminar of Theory of Hopf Algebras, Faculty of Science, Dhar El Mahraz.







Talks (continued)

- November 2021  *On the Riemann-Roch Theorem*, Seminar of Algebraic Geometry, Faculty of Science, Dhar El Mahraz.
- February 2021  *Action of a Lie Group on a Smooth Manifold*, Seminar of Differential Geometry 2, Faculty of Science, Dhar El Mahraz.

Papers and Chapters

-  Ait Mohamed Y. *Note on Sheaf Theory*.
-  Ait Mohamed Y. *On graded rings with derivations*.
-  Ait Mohamed Y., Benjaa N., *Identities Related to Generalized Homogeneous Derivations on Graded Ideals*. [arXiv:244.132](https://arxiv.org/abs/244.132).
-  Ait Mohamed Y., *Certain Functional Identities Involving a Pair of Homogeneous Derivations with Central Values in Gr-Prime Rings*. [arXiv:2412.20029](https://arxiv.org/abs/2412.20029).
-  Ait Mohamed Y., *Generalized Homogeneous Derivations of Graded Rings*. [arXiv.2412.17187](https://arxiv.org/abs/2412.17187).
-  Ait Mohamed Y., *On Graded Rings with Homogeneous Derivations*. *Revista de la Unión Matemática Argentina*. <https://doi.org/10.33044/revuma.4934>.

Professional Experiences

- Jan 2025 - April 2025  **Teaching Assistant** *Linear algebra (MAT253)*, Faculty of Sciences, University of Sherbrooke.
- Sep 2024 - Dec 2024  **Teaching Assistant** *Differential and Integral Calculus I (MAT194)*, Faculty of Sciences, University of Sherbrooke.
-  **Mathematics Tutor** *Center for Mathematics Help*, Faculty of Sciences, University of Sherbrooke.
- Sep 2020 - Dec 2023  **Mathematics Tutor** *Algebra, Real and Complex Analysis, and Topology*.
- Sep 2022 - Nov 2023  **Mathematics Tutor** *High School Lessons*, Mini School Center, Fez, Morocco.
- Sep 2018 - Mar 2019  **Mathematics Tutor** *Secondary School Lessons*, Olympia Centre Zarhounia, Meknes, Morocco.

Professional Experiences (continued)

Sep 2017 - Mar 2018  **Mathematics Tutor** *Secondary School Lessons*, Maxcence Centre, Meknes, Morocco.