






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.
- 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

- Ait Mohamed Y., Benjaa N., *Identities Related to Generalized Homogeneous Derivations on Graded Ideals*. [arXiv:244.132](#).
- Ait Mohamed Y., *Certain Functional Identities Involving a Pair of Homogeneous Derivations with Central Values in Gr-Prime Rings*. [arXiv:2412.20029](#).
- Ait Mohamed Y., *Generalized Homogeneous Derivations of Graded Rings*. [arXiv.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

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| Sep 2024 - Dec 2024 | ■ Teaching Assistant <i>Differential and Integral Calculus I (MAT194)</i> , Faculty of Sciences, University of Sherbrooke. |
| | ■ Mathematics Tutor <i>Center for Mathematics Help</i> , Faculty of Sciences, University of Sherbrooke. |
| Sep 2020 - Dec 2023 | ■ Mathematics Tutor <i>Algebra, Real and Complex Analysis, and Topology</i> . |
| Sep 2022 - Nov 2023 | ■ Mathematics Tutor <i>High School Lessons</i> , Mini School Center, Fez, Morocco. |
| Sep 2018 - Mar 2019 | ■ Mathematics Tutor <i>Secondary School Lessons</i> , Olympia Centre Zarhounia, Meknes, Morocco. |
| Sep 2017 - Mar 2018 | ■ Mathematics Tutor <i>Secondary School Lessons</i> , Maxcence Centre, Meknes, Morocco. |