












# Yassine Ait Mohamed

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## Education

- 2024 –  **PhD student at Sherbrooke University** Algebraic and Symplectic geometry
- 2022 – 2023  **PhD student at Sidi Mohamed Ben Abdellah University** Pure Mathematics  
Thesis title: *On derivations that satisfy certain algebraic conditions on rings.*
- 2020 – 2022  **Master's degree at Sidi Mohamed Ben Abdellah University.**  
Thesis title: *Divisors in Algebraic Geometry, Central Simple Algebras and Severi-Brauer Varieties.*
- 2016 – 2020  **Bachelor's degree at Mouly Ismail University.**  
Thesis title: *The spectrum and the Jacobson radical in a commutative ring.*
- 2015 – 2016  **High school diploma Degree in Experimental Sciences at High School, Boumia.** 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  *About Riemann-Roch Theorem*, seminar of Algebraic geometry, Faculty of Science Dhar El Mahraz.
- February 2021  *Action of a Lie group on a differential variety*, seminar of Differential geometry 2, Faculty of Science Dhar El Mahraz.

## Papers

-  *On graded rings with homogeneous derivations.*
-  *Generalized homogeneous derivations in graded rings.*




## Professional experiences

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- September 2024- December 2024     **Mathematics tutor** *Center for mathematics help, Faculty of Sciences, University of Sherbrooke.*
- September 2020- December 2023     **Mathematics tutor** [Algebra - real and complex analysis - Topology].
- October 2022 - January 2023     **Tutored works** Temporary teacher [ Algebra and Analysis-BCG] *Faculty of Science and Technology, Fez-Morocco,*
- September 2022 - November 2023     **Mathematics tutor** [Lessons for high school students] *Mini School Center, Fez-Morocco.*
- September 2018 - March 2019     **Mathematics tutor** [Lessons for secondary school students] - *Olympia centre Zarhounia, Meknes - Morocco.*
- September 2017 - March 2018     **Mathematics tutor** [Lessons for secondary school students] - *Maxcence centre, Meknes - Morocco.*



## Languages

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-  **Tamazight:** *Native language.*
-  **French:** *Fluent.*
-  **English:** *Intermediate.*

## Computer Skills

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-  Presentation software.
-  SageMath,  $\text{\LaTeX}$ , Python.