

# Curriculum Vitae Vincent Bagayoko

Universität Konstanz

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## Positions

- 2022-2023: Post-doctoral position at Universität Konstanz, with Salma KUHLMANN.

## Studies

- 2011–2014: Prep school in mathematics, physics and computer science at Lycée Michel Montaigne, Bordeaux.
- 2014–2015: L3 in mathematics at ENS de Lyon.
- 2015–2016: Masters degree, 1<sup>st</sup> year, in mathematics at Université Claude Bernard, Lyon.
- 2016–2017: Prepared and passed the teaching exam Agrégation de mathématiques at Université Claude Bernard, ranked 93<sup>rd</sup>.
- 2017–2018: Masters degree, 2<sup>nd</sup> year, in “mathématiques fondamentales” at Université Paris Diderot, Paris.
- 2018–2022: PhD at Université de Mons, Belgium and Institut Polytechnique de Paris, France, on *Hyperseries and surreal numbers*, under the supervision of Françoise POINT and Joris VAN DER HOEVEN.

## Teaching and supervision of students

- 2022–2023: **Organising the Fachseminar** for Masters students in Konstanz Universität, with Lasse VOGEL.
- 2019–2021: I supervised one-month **introduction to research internships** for undergraduate students at Université de Mons:
  - 2019: Cédric PILATTE, on “Atomic integer parts”.
  - 2020: Justin VAST, on “Fields of transseries and surreal numbers”.
  - 2021: Maximilien FORTE, on “Some problems of arithmetic in valued fields”.
- 09–12/2018: **Teaching mathematics** for highschool students, at Lycée Chevreul, Lyon, France.
- 2015–2018: Khôlles (**oral exercises** for French students in prep schools):
  - 2015–2016: For BCPST (Biology) students at Lycée Assomption Bellevue, Lyon.
  - 2017–2018: For PC (physics-chemistry)- and MPSI (mathematics) students at Lycée Fénéleon and Lycée Chaptal, Paris.

## Internships

- 2015: Research internship (1 month), “An introduction to o-minimality” with Pierre SIMON, Institut Camille Jordan, Lyon, France.
- 2016: Research internship (2 months), “Algebra and model theory of transseries as a valued differential field” with Mickäel MATUSINSKI, Institut de Mathématiques de Bordeaux, France.
- 2018: Research internship (3 months), “Surreal substructures” with Joris VAN DER HOEVEN, LIX, Palaiseau, France.