

Adriana Mayumi Shiguihara

Curriculum Vitae

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Education

- 2022-Present **Master's degree in Mathematics**, IMPA – Institute for Pure of Applied Mathematics, Rio de Janeiro, Brazil.
- 2017-2021 **Bachelor's degree in Mathematics**, University of São Paulo (IME – Institute of Mathematics and Statistics), São Paulo, Brazil.
- 2014-2016 **High School**, Colégio Objetivo Integrado, São Paulo, Brazil.

Research Experience

- 2020 **Undergraduate Research Project**, *Gabriel's Theorem for Quiver Representations*, University of São Paulo (IME), São Paulo, Brazil.
 - **Description** I studied quiver representations for 10 months, supervised by Professor Kostiantyn Iusenko. I came across Theory of Modules, Algebraic Geometry and Category Theory in order to understand the proof of Gabriel's Theorem, which characterizes the quivers of finite type.

Related Courses

- 2021 **ICMC's Summer Minicourse**, *Algebraic Surfaces*, University of São Paulo (ICMC – Institute of Mathematical and Computer Sciences), online.
- 2020 **IMPA's Summer Course**, *Fundamental Group And Covering Spaces*, IMPA, Rio de Janeiro, Brazil.
- 2019 **IMPA's Summer Course**, *Real Analysis*, IMPA, Rio de Janeiro, Brazil.

Related Activities

- 2021 **Member of A5 Group**, *University of São Paulo (IME)*, São Paulo, Brazil.
 - **Description** Organized with five other students the A5 Seminar, in which mathematicians gave an overview of their research areas, as well as sporadic events about renowned mathematicians.
- 2019 **XXXII Brazilian Mathematics Colloquium**, IMPA, Rio de Janeiro, Brazil.

- 2012 **XV Olympic Week**, Maceió, Brazil.
- **Description** A week of classes and other activities for students awarded in the Brazilian Mathematical Olympiad.
- 2011 **OBI's Olympic Week**, *University of São Paulo (ICMC)*, São Carlos, Brazil.
- **Description** A week of classes and other activities for students awarded in the Brazilian Olympiad in Informatics (OBI).

Teaching Experience

- 22/03/2017-02/12/2019 **Mathematical olympiads' teacher**, *Colégio Objetivo – Unidade Paulista*, São Paulo, Brazil.
- **Description** Taught Mathematics to students from 10 to 15 years of age for national and regional competitions.

Medals in Scientific Olympiads

Brazilian Mathematical Olympiad

- 2011 **Bronze Medal.**

Paulista Mathematical Olympiad (statewide)

- 2010 **Silver Medal.**

- 2013, 2015 **Bronze Medal.**

Brazilian Physics Olympiad

- 2012 **Gold Medal.**

- 2013 **Silver Medal.**

- 2014 **Bronze Medal.**

Paulista Physics Olympiad (statewide)

- 2010, 2011, **Gold Medal.**

- 2012, 2013

Brazilian Olympiad in Informatics

- 2011 **Gold Medal.**

- 2010, 2013 **Silver Medal.**

- 2012 **Bronze Medal.**

Languages

- Portuguese Mother language
 English Fluent
 French Beginner