

Eduardo Sodré

Curriculum Vitae

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Born 06 February 2001, Brazilian citizen

Education

- 2019 – **Bachelor's Degree in Mathematics**, *Mathematics and Statistics Institute of the University of São Paulo (IME-USP), São Paulo, Brazil*

Scientific Initiation Projects

- 2021 – 2022 **Introduction to Riemannian Geometry** (funded by FAPESP under project 2021/10816-4)
Under supervision of Prof. Claudio Gorodski
- 2021 **Introduction to Smooth Manifolds** (funded by CNPq)
Under supervision of Prof. Claudio Gorodski
- 2019 – 2021 **Introduction to Discrete Dynamical Systems** (funded by PUB, subsequently by CNPq)
Under supervision of Prof. Sonia Garcia

Grants

- 2021 – 2022 **FAPESP Undergraduate Research Scholarship**, project 2021/10816-4, *Support Foundation to the Research of the State of São Paulo*
- 2020 – 2021 **CNPq Undergraduate Research Scholarship**, *Brazilian National Council for Scientific and Technological Development (CNPq)*
- 2019 – 2020 **CNPq Undergraduate Research Scholarship**, *Brazilian National Council for Scientific and Technological Development (CNPq)*
- 2019 **PUB Undergraduate Research Scholarship**, *Unified Scholarship Program, USP*

Prizes

- 2022 Gold Medal at the **43rd Brazilian University Mathematics Olympiad (OBMU)**, *SBM & IMPA*
- 2021 First prize at the **International Mathematics Competition for University Students (IMC)**, *University College London*
- 2021 Gold Medal at the **2nd Elon Lages Lima Mathematics Competition**, *SBM & IMPA*
- 2020 Silver Medal at the **42nd Brazilian University Mathematics Olympiad (OBMU)**, *SBM & IMPA*
- 2020 Silver Medal at the **1st Elon Lages Lima Mathematics Competition**, *SBM & IMPA*
- 2020 Silver Medal at the **Competencia Iberoamericana Interuniversitaria de Matemáticas (CIIM)**, *UAN*
- 2020 Second prize at the **International Mathematics Competition for University Students (IMC)**, *University College London*
- 2019 Silver Medal at the **41st Brazilian University Mathematics Olympiad (OBMU)**, *SBM & IMPA*

Extracurricular Activities

Summer Courses

2021 **Introduction to Complex Dynamics** at IMPA's Summer Program, Masters Level Course,
Grade: A+

Prof. Luna Lomonaco

2020 **Introduction to Number Theory** at IMPA's Summer Program, Masters Level Course,
Grade: A+

Prof. Carlos Gustavo Moreira

Seminar Groups

2021 **Exploring the Mandelbrot Set, reading The Orsay Notes**

Student Seminar supervised by Prof. Luna Lomonaco

2020 – 2022 **Organizer of the S4 Student Seminar Group at IME-USP**

Student-run Seminar

2019 – 2020 **Matrix Problems and Quiver Representations in Linear Algebra**

Under supervision of Prof. Vladimir Sergeichuk

2018 **Junior Scientific Initiation Program (PIC Jr.) at the National University of Brasília (UnB)**

Under supervision of Prof. Ricardo Ruviaro

Tutoring

2021 **TA Volunteer to the Discipline of Introduction to Complex Analysis**

Prof. Daniela Vieira

Events Attended

2021 **33rd Brazilian Mathematics Colloquium (CBM)**, *online*.

2018 **International Congress of Mathematicians (ICM)**, *Rio de Janeiro, Brazil*.

Publications

2021 **SENOGUCHI BORGES, VICTOR; KASHUBA, IRYNA; SERGEICHUK, VLADIMIR V.; VENTILARI SODRÉ, EDUARDO; ZAIDAN, ANDRÉ. Classification of linear operators satisfying $(Au, v) = (u, A^r v)$ or $(Au, {}^r v) = (u, v)$ on a vector space with indefinite scalar product.** LINEAR ALGEBRA AND ITS APPLICATIONS, v. 611, p. 118-134, 2021. <https://doi.org/10.1016/j.laa.2020.12.005>

Technical Skills

\LaTeX Intermediate
Python Basic

Languages

Portuguese Native
English Fluent