

Eduardo Sodré

Curriculum Vitae

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📄 evsmath.github.io/

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*
Weighted average: 9.8/10
Undergraduate Thesis: Introduction to Riemannian Geometry

Scientific Initiation Projects

- 2021 – 2022 **Introduction to Riemannian Geometry** (funded by FAPESP under project 2021/10816-4)
Supervised by Claudio Gorodski
- 2021 **Introduction to Smooth Manifolds** (funded by CNPq)
Supervised by Claudio Gorodski
- 2019 – 2020 **Introduction to Discrete Dynamical Systems** (funded by PUB, subsequently by CNPq)
Supervised by Sonia Garcia
- 2018 **Junior Scientific Initiation Program (PIC Jr.) at the National University of Brasília (UnB)**
Supervised by Ricardo Ruviano

Grants and Scholarships

- 2021 – 2022 **FAPESP Undergraduate Research Scholarship, project 2021/10816-4**
Support Foundation to the Research of the State of São Paulo (FAPESP)
- 2020 – 2021 **CNPq Undergraduate Research Scholarship**
Brazilian National Council for Scientific and Technological Development (CNPq)
- 2020 **IMPA Summer Program Scholarship**
Instituto Nacional de Matemática Pura e Aplicada (IMPA)
- 2019 – 2020 **CNPq Undergraduate Research Scholarship**
Brazilian National Council for Scientific and Technological Development (CNPq)
- 2019 **PUB Undergraduate Research Scholarship**
Unified Scholarship Program (PUB)

Prizes and Awards

- 2022 Gold Medal at the **3rd Elon Lages Lima Mathematics Competition**, *SBM & IMPA*
- 2022 Gold Medal at the **Competencia Iberoamericana Interuniversitaria de Matemáticas (CIIM)**, *Universidad Antonio Nariño (UAN)*, 5th place overall
- 2022 First prize at the **International Mathematics Competition for University Students (IMC)**, *University College London (UCL)*

- 2022 Gold Medal at the **43rd Brazilian University Mathematics Olympiad (OBMU)**, *Brazilian Mathematical Society (SBM) & IMPA*, 4th place overall
- 2021 First prize at the **International Mathematics Competition for University Students (IMC)**, *UCL*
- 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*, 5th place overall
- 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)**, *UCL*
- 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+, ministered by Luciana Lomonaco
- 2020 **Introduction to Number Theory** at IMPA's Summer Program, Masters Level Course, Grade: A+, ministered by Carlos Gustavo Moreira

Minicourses

- 2022 **Introduction to Characteristic Classes**, IME-USP, ministered by Mateus Moreira de Melo
- 2021 **A Gentle Introduction to the Topology and Geometry of 3-manifolds**, 33rd Brazilian Colloquium of Mathematics, ministered by André Salles de Carvalho & Rafal Siejakowski

Seminar Groups

- 2022 **Quasiconformal Maps and Teichmüller Theory**
Group seminar supervised by Luciana Lomonaco and Lucas Oliveira
- 2021 **Exploring the Mandelbrot Set, reading The Orsay Notes**
Group seminar supervised by Luciana Lomonaco at IMPA, doctorate level reading course at IMPA, Grade: A
- 2020 – 2022 **Organizer and presenter of the S4 Student Seminar Group at IME-USP**
Student-run Seminar
- 2019 – 2020 **Matrix Problems and Quiver Representations in Linear Algebra**
Group seminar supervised by Vladimir Sergeichuk
- 2019 **Aleph 1 Student Seminar on Set Theory**

Tutoring

- 2021 **TA Volunteer to the Course “Introduction to Complex Analysis”**, Daniela Vieira

Events Attended

- 2022 **6th TWAS Young Affiliate Network (TYAN) Thematic Workshop in Mathematics**, *IME USP, São Paulo, Brazil*. Local organizing committee.

- 2022 **São Carlos Conference in Geometry, ICMC USP, São Carlos, Brazil.** Presented the poster "The Sasaki Metric and the Geodesic Flow".
- 2021 **33rd Brazilian Colloquium of Mathematics (CBM), online.**
- 2020 **International Symposium of Scientific Initiation and Technology of USP (SIICUSP), online.** Presented the poster "A Generalization of the Theorem on Tangent Bifurcations".
- 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>

Languages

Portuguese	Native	
English	Fluent	TOEFL iBT Score: 118/120, 2022
French	Basic	