

Eduardo Sodré

Curriculum Vitae

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📄 [evsmath.github.io/](https://github.com/evsmath)

Education

- 2023 – **PhD in Mathematics**, *Brown University*, Providence, USA
- 2019 – 2022 **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, 1st in class
Undergraduate Thesis: Introduction to Riemannian Geometry

Scientific Initiation Projects

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

- 2023 **Institute of Mathematics and Statistics Best Student Prize**, *Class of 2022*
IME-USP
- 2022 **Silver Medal**, *44th Brazilian University Mathematics Olympiad (OBMU)*
Brazilian Mathematical Society (SBM) & Institute for Pure and Applied Mathematics (IMPA)

- 2022 **Gold Medal**, *3rd Elon Lages Lima Mathematics Competition*
SBM & IMPA
- 2022 **Gold Medal**, *14th Competencia Iberoamericana Interuniversitaria de Matemáticas (CIIM)*
Universidad Antonio Nariño (UAN)
- 2022 **First prize**, *29th International Mathematics Competition for University Students (IMC)*
University College London (UCL)
- 2022 **Gold Medal**, *43rd OBMU*
SBM & IMPA
- 2021 **First prize**, *28th IMC*
UCL
- 2021 **Gold Medal**, *2nd Elon Lages Lima Mathematics Competition*
SBM & IMPA
- 2020 **Silver Medal**, *42nd OBMU*
SBM & IMPA
- 2020 **Silver Medal**, *1st Elon Lages Lima Mathematics Competition*
SBM & IMPA
- 2020 **Silver Medal**, *12th CIIM*
UAN
- 2020 **Second prize**, *27th IMC*
UCL
- 2019 **Silver Medal**, *41st OBMU*
SBM & IMPA

Extracurricular Activities

Summer Courses

- 2021 **Introduction to Complex Dynamics**, *IMPA*, Masters Level Course, A+
Course ministered by Prof. Luciana Lomonaco
- 2020 **Introduction to Number Theory**, *IMPA*, Masters Level Course, A+
Course ministered by Prof. Carlos Gustavo Moreira

Minicourses

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

Seminar Groups

- 2022 **Quasiconformal Maps and Teichmüller Theory**
Group seminar supervised by Prof. Luciana Lomonaco and Prof. Lucas Oliveira
- 2020 – 2022 **Organizer and presenter of the S4 Student Seminar Group**, *IME-USP*
Student-run Seminar
- 2021 **Exploring the Mandelbrot Set, reading The Orsay Notes**, *IMPA*, doctoral level reading course, A+
Group seminar supervised by Prof. Luciana Lomonaco

- 2019 – 2020 **Matrix Problems and Quiver Representations in Linear Algebra**, *IME-USP*
Group seminar supervised by Prof. Vladimir Sergeichuk
- 2019 **Alph 1 Student Seminar on Set Theory**, *IME-USP*
[Tutoring](#)
- 2021 **Volunteer TA to the Course “Introduction to Complex Analysis”**, *IME-USP*
Course ministered by Prof. Daniela Vieira
[Events Attended](#)
- 2022 **Complex Dynamics in the Tropics**, *IMPA*, Rio de Janeiro, Brazil
Financial support given by CNPq and FAPERJ
- 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)**, *SBM & IMPA*, Rio de Janeiro, Brazil

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- 2021 **SENOGUCHI BORGES, VICTOR; KASHUBA, IRYNA; SERGEICHUK, VLADIMIR V.; VENTILARI SODRÉ, EDUARDO; ZAIDAN, ANDRÉ. Classification of linear operators satisfying $(Au, v) = (u, A^T v)$ or $(Au, A^T v) = (u, v)$ 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>

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