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 Ruviaro

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 Universitary 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 Universitary 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 Universitary 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 0 Student Seminar on Set Theory**

Tutoring

2021   **TA Volunteer to the Course "Introduction to Complex Analysis"**, Daniela Vieira

Events Attended

2022   **Complex Dynamics in the Tropics**, *IMPA, Rio de Janeiro, Brazil.* Granted financial support 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)**, *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	