

# Eduardo Sodré

## Curriculum Vitae

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

Born 06 February 2001, Brazilian citizen

### Education

- 2019 – **Bachelor Degree in Mathematics**, *Mathematics and Statistics Institute of the University of São Paulo (IME-USP), São Paulo, Brazil*  
Pondered average: 9.8/10

### Scientific Initiation Projects

- 2021 – 2022 **Introduction to Riemannian Geometry** (funded by FAPESP under project 2021/10816-4)  
*Under supervision of Claudio Gorodski*
- 2021 **Introduction to Smooth Manifolds** (funded by CNPq)  
*Under supervision of Claudio Gorodski*
- 2019 – 2021 **Introduction to Discrete Dynamical Systems** (funded by PUB, subsequently by CNPq)  
*Under supervision of 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)*
- 2020 **IMPA Summer Program Scholarship**, *Pure and Applied Mathematics Institute (IMPA)*
- 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*

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## Extracurricular Activities

### Summer Courses

- 2021 **Introduction to Complex Dynamics** at IMPA's Summer Program, Masters Level Course, Grade: A+, Luna Lomonaco
- 2020 **Introduction to Number Theory** at IMPA's Summer Program, Masters Level Course, Grade: A+, Carlos Gustavo Moreira

### Minicourses

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

### Seminar Groups

- 2021 **Exploring the Mandelbrot Set, reading The Orsay Notes**  
Student Seminar supervised by 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 Vladimir Sergeichuk
- 2018 **Junior Scientific Initiation Program (PIC Jr.) at the National University of Brasília (UnB)**  
Under supervision of Ricardo Ruviaro

### Tutoring

- 2021 **TA Volunteer to the Discipline of Introduction to Complex Analysis**, Daniela Vieira

### Events Attended

- 2021 **33rd Brazilian Mathematics Colloquium (CBM)**, *online*.
- 2018 **International Congress of Mathematicians (ICM)**, *Rio de Janeiro, Brazil*.

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## 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>

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## Languages

Portuguese Native  
English Fluent