

SERBAN EUGEN CICORTAS

Fine Hall A02, Washington Rd, Princeton, NJ 08544

cicortas@princeton.edu

EDUCATION

Princeton University **September 2021 - Present**

PhD in Mathematics

Advisor: Igor Rodnianski.

University of Cambridge, Trinity College **October 2020 - July 2021**

Master of Advanced Study in Pure Mathematics, Distinction

Part III Essay: The Existence of Naked Singularities and Their Instability.

Advisor: Mihalis Dafermos.

Princeton University **September 2016 - June 2020**

Bachelor of Arts in Mathematics, Highest Honors

Senior Thesis: Global Stability for Weak Null Wave Equations with Multi-localized Initial Data.

Advisor: Sergiu Klainerman.

RESEARCH INTERESTS

Partial Differential Equations, General Relativity, Nonlinear Wave Equations

PUBLICATIONS

2. Scattering for the Wave Equation on de Sitter Space in All Even Spatial Dimensions 2023

arXiv:2309.07342. Submitted.

1. Extensions of Lorentzian Hawking–Page Solutions with Null Singularities, Spacelike Singularities, and Cauchy horizons of Taub–NUT type 2022

arXiv:2209.06134. Submitted.

INVITED TALKS

Princeton Gravity Initiative Workshop, Flash talk March 2024

Princeton Graduate Student Seminar February 2024

Mathematical GR and Hyperbolic PDE Seminar, Online talk March 2023

Princeton Graduate Student Seminar February 2023

TEACHING EXPERIENCE

Preceptor for MAT 175 - Mathematics for Economics/Life Sciences Fall 2023 - Spring 2024

Teaching Assistant for Integration Theory, Complex Analysis Fall 2022 - Spring 2023

AWARDS

Centennial Fellowship	2021 - 2025
Trinity Studentship in Mathematics	2020 - 2021
George B. Covington Prize in Mathematics	2020
Elected to Membership in the Society of Sigma Xi	2020
Elected to Membership in the Phi Beta Kappa Society	2019
Peter A. Greenberg '77 Prize	2019
Princeton University German Department Book Prize	2017, 2018, 2019

OTHER

Princeton-Cambridge Joint General Relativity Seminar Organizer	2022-2023
Princeton Graduate Student Seminar Co-Organizer	2022-2023