

Sean E. Li

 sean.li@columbia.edu

EDUCATION

Bowdoin College

B.A. Physics; Minor: Mathematics

Brunswick, ME

May 2023

Relevant Courses Methods of Theoretical Physics. Astrophysics. Statistical Physics. Nuclear and Particle Physics. Methods of Computational Physics. Advanced Mechanics. General Relativity. Quantum Mechanics. Fields, Particles, and Symmetries. Electromagnetism. Methods of Experimental Physics.

Honors Thesis Properties of Slicing Conditions for Charged Black Holes

PUBLICATIONS

S. E. Li, T. W. Baumgarte, K. A. Dennison, and H. P. de Oliveira, Dynamical perturbations of black-hole punctures: Effects of slicing conditions, *Phys. Rev. D* **107**, 064003 (2023).

S. E. Li, T. W. Baumgarte, K. A. Dennison, and H. P. de Oliveira, Bona-Massó slices of Reissner-Nordström spacetimes, *Phys. Rev. D* **106**, 104049 (2022).

PRESENTATIONS AND POSTERS

S. E. Li, T. W. Baumgarte, K. A. Dennison, and H. P. de Oliveira, Dynamical perturbations of black-hole punctures: Effects of slicing conditions, APS April Meeting, Hilton Minneapolis, Minneapolis, MN, April 2023.

S. E. Li, T. W. Baumgarte, K. A. Dennison, and H. P. de Oliveira, Bona-Massó slices of Reissner-Nordström spacetimes, President's Summer Research Symposium, Bowdoin College, Brunswick, ME, Oct. 2022.

AWARDS AND FELLOWSHIPS

Bowdoin College

American Association of Physics Teachers Outstanding Learning Assistant Award

Bowdoin Faculty Scholar Award

Student Faculty Research Grant Fellowship

Sarah and James Bowdoin Scholar Book Award

Brunswick, ME

May 2023

May 2023

May 2022

Oct. 2020

TEACHING AND MENTORING

Baldwin Center for Learning and Teaching

Learning Assistant for Introductory Physics II

McKeen Center for the Common Good

Brunswick High School Mentoring

Brunswick, ME

Sep. 2022–May 2023

Brunswick, ME

Oct. 2019–May 2023

PROFESSIONAL AND WORK EXPERIENCE

Bowdoin College Department of Physics and Astronomy

Grader for Statistical Physics

Grader for Introductory Physics II

Physics Communication Assistant

Faculty Search Student Interviewer

Bowdoin College Dining Service

Magee's Grill Assistant

Café Student Manager

Café Assistant

Riverside Research Institute

Systems Engineering Intern

Software Engineering Intern

Brunswick, ME

Jan.–May 2023

Sep. 2022–May 2023

Sep. 2022–May 2023

Nov.–Dec. 2021

Brunswick, ME

Jan.–May 2023

Sep. 2022–May 2023

Feb.–May 2022

Lexington, MA

Summer 2021

Summer 2019, 2020