

DAVID I. SANTIAGO

Department of Physics, Gravity Probe B Relativity Mission
Stanford University, Stanford, CA 94305-4060
Home:(650) 965-0171 • Work:(650) 723-2418
email: david@small.stanford.edu

EDUCATION

Ph.D. - Degree: Physics, Stanford University.

Dissertation: "Gravity, Scalar Fields and Cosmology." May 2000.

Thesis Advisor: Professor Robert V. Wagoner

B.A. - **Degree:** Physics, May 1993, Universidad de Puerto Rico, Recinto de Rio Piedras, in San Juan, Puerto Rico.

Minor Studies: Mathematics.

RESEARCH AND PROFESSIONAL EXPERIENCE

2002-present: Scientific Researcher with the Gravity Probe Relativity Mission Science and Data Analysis Group. Data Analysis for determination of the Spin Speed and Motion of Gyroscopes used in the Gravity Probe B experiment.

2000-present: Postdoctoral Scholar and member of Professor Robert B. Laughlin Research Group at Stanford. Research in Condensed Matter Physics, Quantum Mechanics, and the relationship among phenomena in Condensed Matter Physics with those of the Physics of Gravitation and High Energy Physics.

1994-2000: Member of the Gravity Probe B (GP-B) theory group. Research in Gravitation Cosmology and Astrophysics.

TEACHING EXPERIENCE

2001: Taught Preparation course for the Physics Doctoral Qualifying Examination at Stanford University. Held weekly session consisting of a 90 minutes lecture and a 90 minutes problem solving workshop. Head of Teaching Assistants for the introductory course in physics for engineers and scientists.

1999: Teaching assistant position for intermediate mechanics course for physicists. Held weekly discussion sessions. Tutor during two quarters for the Physics Doctoral Qualifying Examination.

1997-98: Tutor in mathematics and physics for the Stanford Women Center.

1995-98: Teaching assistant position for introductory course in physics for engineers and science majors. Held weekly discussion sessions, weekly laboratory sections, weekly office hours.

ACADEMIC SERVICE

1999-2000: Student Member, Qualifying Examination Committee, Department of Physics, Stanford University.

1996-97: Seminar coordinator for the Center for Space Sciences and Astrophysics, Stanford University.

1995-97: Student Member, Graduate Studies Committee, Department of Physics, Stanford University.