Kraig J. Andrews

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Research Interests

Dynamical systems, probability, and ergodic theory– especially chaotic systems, hyperbolicity, and applications to mathematical physics.

Education

Wayne State University

Ph.D. Candidate, Physics (expected May 2018)

- Dissertation Topic:
- Advisor: Dr. Zhixian Zhou

M.S. in Physics, February 2016

Michigan State University

B.S. in Physics, May 2014
B.S. in Astrophysics, May 2014

Teaching Experience

Fall	2015	Lecturer, General Physics I
Summer	2015	Laboratory Instructor, General Physics Laboratory I
Winter	2015	Laboratory Instructor, Conceptual Physics Laboratory I
Winter	2015	Descriptive Astronomy Laboratory
Fall	2014	Descriptive Astronomy Laboratory
Winter	2014	Teaching Assistant, General Physics II
Winter	2013	Teaching Assistant, Planets and Telescopes
Fall	2013	Teaching Assistant, General Physics I
Winter	2012	Teaching Assistant, General Physics II

Honors and Awards

1992–1996	Henry MacCracken Fellowship New York University Graduate School of Arts and Sciences
1992–1996	National Science Foundation Graduate Research Fellowship
1992	Valedictorian, Mathematics Department University of California at Berkeley
1988–1992	Chancellor's Scholar, University of California at Berkeley
1988–1992	National Merit Scholar

Graduate Coursework

- ❑ Solid State Physics
- ❑ Advanced Quantum Physics
- ❑ Advanced Electrodynamics
- ❑ Statistical Mechanics

Scientific Research Experience

1991–1992	Production of discrete variable representation sets.
2012–2013	Symmetry Energy Project: obtain constraints on asymmetry energy in nuclear equation of state. Advisor: A. Smith, Department of Physics, University of California at Berkeley.
1990–1991	Creation of signal processing algorithms for the Gamma Ray Energy Tracking Array. Advisor: K. Clemens, Nuclear Structures Group, E. O. Lawrence Berkeley National Laboratory.
1989–1990	Laser spectroscopy investigations of the reaction dynamics of HFCO. Advisor: C. Shafter, Department of Chemistry, University of California at Berkeley.

Relevant Skills

Languages: English, French

References

Lai-Sang Young, The Henry and Lucy Moses Professor of Science, Courant Institute of Mathematical Sciences, New York University, (212)998-3286, `lsy@cims.nyu.edu`