

David Jin

CONTACT INFORMATION	Grinnell College Department of Physics, 1115 8th Ave, Box #3828, Grinnell, IA 50112 USA	(626)474-8360 jindavid@grinnell.edu
RESEARCH INTERESTS	Dynamical systems, chaos theory, and ergodic theory—especially applications to physics, computer science, and neuroscience.	
EDUCATION	Grinnell College B.A. in Physics, Expected May 2022 • Cumulative GPA:4.0/4.0; Dean's List	
SCIENTIFIC RESEARCH EXPERIENCE	Jun-Aug 2019	Laminar Chaos in an Electronic Mackey-Glass Variable Time Delay System. Advisor: R. Roy, T. Murphy, and Y. Chembo, Institute for Research in Electronics and Applied Physics, University of Maryland, College Park.
	May-Aug 2018	The Effects of Gaps on the Correlation Dimension of Nonlinear Systems. Advisor: B. Breen, Department of Physics, Grinnell College.
UNDERGRADUATE COURSEWORK	<div><input type="checkbox"/> Quantum Field Theory</div> <div><input type="checkbox"/> Wave Optics Phenomena</div> <div><input type="checkbox"/> Biophysics</div> <div><input type="checkbox"/> Ordinary Differential Equations</div> <div><input type="checkbox"/> Mechanics</div> <div><input type="checkbox"/> Thermodynamics and Statistical Physics</div> <div><input type="checkbox"/> Electromagnetic Theory</div> <div><input type="checkbox"/> Partial Differential Equations</div> <div><input type="checkbox"/> Linear Algebra</div> <div><input type="checkbox"/> Combinatorics</div>	
PUBLICATIONS	D. Jin, J. Speer, E. Dowling, Y. Chembo, T. Murphy R. Roy, and J. Hart, <i>Laminar Chaos in an Electronic Mackey-Glass Variable Time Delay System</i> . (Manuscript)	
CONFERENCE TALKS	<i>Laminar Chaos in an Electronic Mackey-Glass Variable Time Delay System</i> , APS March Meeting, Denver, CO. (March 2020) <i>The Effects of Gaps on the Correlation Dimension of Nonlinear Systems</i> , Midstates Consortium for Math and Science, Washington University in St.Louis, St.Louis, MO. (November 2018)	
OTHER TALKS	<i>Laminar Chaos in an Electronic Mackey-Glass Variable Time Delay System</i> , Poster, Grinnell College Physics Seminar, Grinnell, IA. (October 2019) <i>Laminar Chaos in an Electronic Mackey-Glass Variable Time Delay System</i> , Oral/Poster, TREND REU Seminar, College Park, MD. (August 2019) <i>The Effects of Gaps on the Correlation Dimension of Nonlinear Systems</i> , Oral, Grinnell College Physics Seminar, Grinnell, IA. (October 2018) <i>The Effects of Gaps on the Correlation Dimension of Nonlinear Systems</i> , Poster, Grinnell College Family Weekend, Grinnell, IA. (September 2018)	

TEACHING EXPERIENCE	Spring	2020	Mentor, General Physics I, Grinnell College
	Fall	2019	Lab Assistant, Modern Physics, Grinnell College
	Spring	2019	Mentor, Classical Mechanics, Grinnell College
	Spring	2018	Teaching Assistant, General Physics I, Grinnell College
HONORS AND AWARDS	2017-2020		Founder's Scholarship, Grinnell College
RELEVANT SKILLS	Languages:		English, Mandarin, Japanese, Korean
REFERENCES	Barbara Breen , Assistant Professor of Physics, Grinnell College, (641)269-9957, breenbar@grinnell.edu		
	Keisuke Hasegawa , Assistant Professor of Physics, Grinnell College, (641)269-4024, hasegawa@grinnell.edu		
	Rajarshi Roy , Professor of Physics, Institute for Research in Electronics and Applied Physics, University of Maryland, College Park, (301)405-1636, rroy@umd.edu		