Christian Serio

Contact Information	Department of Mathematics 450 Jane Stanford Way Building 380, 381D Stanford, CA 94305	cdserio@stanford.edu	
Mathematical Interests	obability theory and mathematical/statistical physics: scaling limits, universality, bbs measures, line ensembles, spin systems, random polymers.		
EDUCATION	Stanford University (2021-present) PhD Candidate in Mathematics Advisor: Amir Dembo		
	Columbia University (2017-2021)		
	BA in Mathematics with Honors, sum	ıma cum laude, Phi Beta Kappa	
PUBLICATIONS	 with E. Dimitrov. To appear in Ann. □ "Scaling limit for line ensembles of ratron. J. Probab. 28: 1-14 (2023). □ "Tightness of discrete Gibbsian line e 225-285 (2023). □ "Tightness of Bernoulli Gibbsian line" 	ri-Spohn diffusions to the Airy line ensemble," Inst. H. Poincaré Probab. Statist. Indom walks with geometric area tilts." Electusemsembles." Stoch. Process. Their Appl. 159: ensembles," with E. Dimitrov, X. Fang, L. hu. November 2021. Electron. J. Probab. 26:	
Invited Talks	□ Stanford University, Probability Seminus Columbia University, Columbia Proba		
Academic Programs	presenter. □ Random Media & Large Deviations, birthday. Courant Institute (Oct 21-2) □ University of Michigan Summer Schoparticipant. □ Columbia University Mathematics RE itrov's "Asymptotics of Bernoulli Giblic Columbia University Mathematics RE	ol on Random Matrices (June 13-24, 2022). U, Summer 2020. Participant in Evgeni Dim-	
Academic Awards	Awarded to one student for an outs Gibbsian line ensembles." □ Van Amringe Mathematical Prize, Co	Mathematics, Columbia College, April 2021. tanding senior thesis, "Tightness of discrete lumbia Mathematics Department, May 2020. proficient in their class in designated mathe-	

Teaching	☐ TA at Stanford, MATH 53: Ordinary Differential Equations, Winter 2023	
Experience	☐ CA at Stanford, MATH 136: Stochastic Processes, Fall 2022	
	□ CA at Stanford, MATH 158: Basic Probability and Stochastic Processes with Engineering Applications, Spring 2022	
	☐ TA at Columbia, MATH UN1201: Calculus III, Summer 2020	
	□ TA at Columbia, MATH GU4061-4062: Intro to Modern Analysis I & II, Spring 2019-Spring 2021	
SERVICE	 Stanford Student Probability Seminar. Organizer, Fall 2022-present. Columbia University Mathematics REU, Summer 2021. Graduate student mentor for Carsten Chong's "Hurst index estimation under measurement errors" undergraduate research group. 	
References	Amir Dembo, Professor, Mathematics Department, Stanford University, adembo@stanford.edu.	
	Ivan Corwin, Professor, Mathematics Department, Columbia University, ic2354@columbia.edu.	
	Evgeni Dimitrov, Assistant Professor, Mathematics Department, University of Southern California, edimitro@usc.edu.	