

Sungwoo Nam

CONTACT INFORMATION	University of Illinois at Urbana-Champaign Department of Mathematics 1409 W. Green St. Urbana, IL 61801	E-mail:sungwoo2@illinois.edu office : 130 Altgeld Hall
EDUCATION	University of Illinois Urbana-Champaign Ph.D., Mathematics, August 2016-present <ul style="list-style-type: none">• Advisor: Sheldon Katz Yonsei University B.S. in Mathematics(with Honors), Feb 2015	
RESEARCH INTERESTS	Enumerative geometry– especially local BPS invariants of reducible surfaces from 5d SCFT, Gromov-Witten invariants of hyperkähler manifolds, Moduli of sheaves on surfaces and threefolds.	
PAPERS AND PREPRINTS	(with S. Katz) <i>Local Enumerative Invariants of Some Simple Normal Crossing del Pezzo Surfaces</i> , arXiv:2209.13031	
INVITED TALKS	<i>Gromov-Witten invariants of local reducible surfaces</i> , Algebraic Geometry Seminar, KIAS, Jan 2022 <i>Curve counting and BPS invariants of local surfaces</i> , Pusan National University, Apr 2021	
TEACHING EXPERIENCE	<ul style="list-style-type: none">• Teaching Assistant, Applied Linear Algebra: Fall, 2019• Teaching Assistant, Calculus III: Fall 2017, Spring 2018, Fall 2018, Spring 2019, Spring 2020, Fall 2020, Spring 2022, Fall 2022• Teaching Assistant, Business Calculus: Spring 2021• Graduate mentor, Illinois Geometry Lab, University of Illinois at Urbana-Champaign, Supervisor: Aron Heleodoro <i>Cyclic Vectors for Certain D-modules.</i>	
PAPER	(Joint with S. Katz) Local Enumerative Invariants of Rank 2 SNC Fano Surfaces	
PROGRAMMING SKILLS	Basic : Python	
LANGUAGES	Native : Korean Proficient : English Intermediate : Japanese Beginner : French	
REFERENCES	Sheldon Katz (217)265-6258, katzs@illinois.edu	