

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> , submitted, 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	
SERVICE	Organizer, UIUC Graduate Algebraic Geometry, Spring 2019 - Spring 2020	
CONFERENCES AND WORKSHOPS ATTENDED	<i>MSRI Summer Graduate School on Tropical Geometry</i> , 2022 <i>Hausdorff School on Perverse Sheaves and Enumerative Geometry</i> <i>PCMI 2019 Summer School on QFT and manifold invariants</i> , PCMI, 2019 <i>String Math 2018</i> , Tohoku University, 2018 <i>Crossing the Walls in Enumerative Geometry</i> , Snowbird, Utah, 2018 <i>Introductory workshop:Enumerative Geometry Beyond Numbers</i> , MSRI, 2018 <i>Enumerative Geometry, Mirror Symmetry, and Physics</i> , UIUC, 2017	
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>	

LANGUAGES

Native : Korean
Proficient : English
Intermediate : Japanese
Beginner : French

REFERENCES

Sheldon Katz

University of Illinois at Urbana-Champaign
✉ katzs@illinois.edu

James Pascaleff

University of Illinois at Urbana-Champaign
✉ jpascale@illinois.edu

Matthew Russell (Teaching)

University of Illinois at Urbana-Champaign
✉ mcr39@illinois.edu

Michel van Garrel

University of Birmingham
✉ m.vangarrel@bham.ac.uk

Christopher Dodd

University of Illinois at Urbana-Champaign
✉ csdodd2@illinois.edu