

Yunfeng Zhang - Curriculum Vitae

CONTACT INFORMATION	School of Mathematical Sciences Peking University No.5 Yiheyuan Road, Haidian District Beijing, China 100871	phone: (+86)13083350375 email: yunfengzhang108@gmail.com homepage: yunfengzhang108.github.io
RESEARCH INTERESTS	Harmonic analysis on Lie groups and analytic number theory	
ACADEMIC APPOINTMENTS	TAL Assistant Professor, Peking University Assistant Research Professor, University of Connecticut	2021 - now 2018 - 2021
EDUCATION	Ph.D. in Mathematics, UCLA Advisors: Rowan Killip and Monica Visan B.S. in Mathematics, Tsinghua University	2012 - 2018 2008 - 2012
HONORS AND AWARDS	UCLA Mathematics Graduate Research Presentation Prize Tsinghua University Outstanding Graduate Award Fellowship in the Talents Program of Tsinghua University	2018 2012 2009 - 2012
GRANTS	Co-PI, National Key R&D Program of China (PI: Hanlong Fang) Title: Geometry and Analysis on Homogeneous Spaces Total value: 3,000,000 CNY PI, Fundamental Research Funds for the Central Universities, Peking University Title: Analysis on Lie Groups Total value: 200,000 CNY	2022 - 2027 2021 - 2023
PREPRINTS	1. Bounds of restriction of characters to submanifolds of maximal tori arXiv:2402.03178 2. Harmonic analysis on the fourfold cover of the space of ordered triangles (with Hanlong Fang and Xiaocheng Li) arXiv:2301.00529	
PUBLICATIONS	1. On Fourier restriction type problems on compact Lie groups <i>Indiana Univ. Math. J.</i> 72 (2023), No. 6, 2631-2699, 69 pp. arXiv:2005.11451 2. Schrödinger equations on compact globally symmetric spaces <i>J. Geom. Anal.</i> 31 (2021), No. 11, 10778-10819, 42 pp. arXiv:2005.00429 3. Strichartz estimates for the Schrödinger equation on products of odd-dimensional spheres <i>Nonlinear Anal.</i> 199 (2020), 112052, 21 pp. arXiv:2301.02823 4. Strichartz estimates for the Schrödinger flow on compact Lie groups <i>Anal. PDE</i> 13 (2020), No. 4, 1173-1219, 47 pp. arXiv:1703.07548	
INVITED TALKS	Special Session on Harmonic Analysis and Hamiltonian PDEs Joint Meeting of the NZMS, AustMS and AMS, University of Auckland Seminar Beijing Institute of Technology Global Young Scholars Forum Beijing Normal University	December 2024 January 2024 December 2023

	Young Scholars Forum ShanghaiTech University	December 2023
	Young Mathematician Forum Shanghai Jiao Tong University	December 2023
	Vision Forum for International Young Scholars Beihang University	December 2023
	Global Forum for Young Mathematicians Southern University of Science and Technology	November 2023
	Teli Forum for International Young Scholars Beijing Institute of Technology	November 2023
	Colloquium Huaibei Normal University	September 2023
	Seminar Beijing Institute of Technology	September 2023
	Ghent Methusalem Junior Seminar Ghent University	November 2021
	Conference on Harmonic Analysis and Symmetric Spaces University of Wisconsin-Madison	October 2021
	Oberseminar Analysis Bielefeld University	April 2021
	Weekly Seminar on Geometric and Functional Inequalities and Applications University of Connecticut	February 2021
	Special Session on Geometric Inequalities and Nonlinear PDEs AMS Sectional Meeting, University of Texas at El Paso	September 2020
	Special Session on Analysis on Homogeneous Spaces AMS Sectional Meeting, Tufts University	March 2020
SERVICE	Referee for research journals including <i>J. Funct. Anal.</i> , <i>Selecta Math.</i> , and <i>Trans. Amer. Math. Soc.</i> Co-organizer of the Analysis and Probability Seminar at the University of Connecticut, Fall 2020 and Spring 2021	
TEACHING EXPERIENCE	As Instructor – Linear Algebra B (“B” stands for “for the Physical Sciences”), Peking University Linear Algebra B, Peking University Advanced Mathematics B (i.e. Calculus for the Physical Sciences), Peking University Partial Differential Equations (two classes), University of Connecticut Partial Differential Equations (two classes), University of Connecticut Axiomatic Geometry (two classes), University of Connecticut Introduction to Complex Variables (two classes), University of Connecticut Partial Differential Equations (two classes), University of Connecticut Honors Calculus II, University of Connecticut Honors Multivariable Calculus, University of Connecticut Calculus for Life Sciences Students II, UCLA	
	As Teaching Assistant – Probability Theory II, UCLA Algebra for Applications, UCLA	Fall 2023 Fall 2022 Fall 2021 Spring 2021 Fall 2020 Spring 2020 Fall 2019 Spring 2019 Fall 2018 Fall 2018 Summer 2017 Spring 2018, Spring 2017, Winter 2017, Winter 2016 Winter 2018

Analysis I, UCLA	Fall 2017, Winter 2016, Fall 2015
Probability Theory I, UCLA	Winter 2017, Winter 2015
Differential and Integral Calculus, UCLA	Fall 2016
Linear & Nonlinear Systems of Differential Equations, UCLA	Fall 2015, Spring 2015, Winter 2014
Mathematical Game Theory, UCLA	Summer 2015
Partial Differential Equations, UCLA	Spring 2015
Discrete Structures, UCLA	Winter 2015
Precalculus, UCLA	Fall 2014, Fall 2012
Calculus for Life Sciences Students I, UCLA	Fall 2014
Linear Algebra I, UCLA	Summer 2014
Differential Geometry II, UCLA	Spring 2014
Ordinary Differential Equations, UCLA	Spring 2014, Winter 2014
Integration and Infinite Series, UCLA	Fall 2013
Complex Analysis for Applications, UCLA	Spring 2013
Differential Equations, UCLA	Winter 2013

REFERENCE

Rowan Killip	killip@math.ucla.edu
Simon Marshall	marshall@math.wisc.edu
Ambar Sengupta	ambar.sengupta@uconn.edu
Terence Tao	tao@math.ucla.edu
Monica Visan	visan@math.ucla.edu