ANH MARTINA NEUMAN

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OBJECTIVE

I'm a harmonic analyst by training. I'm interested in multiple principles but primarily in harmonic analysis, mathematical data science and additive combinatorics. I'm looking for a PostDoc position that allows me to continue to research in the said directions.

EDUCATION

University of California, Berkeley, Berkeley, CA 94720, USA
Doctor of Philosophy, Mathematics   May 2018

University of California, UCLA, UCLA, CA 90095, USA
Master of Arts, Mathematics
Bachelor of Science, Mathematics

SKILLS

Language: Python
Computing: Matlab
Web design: HTML, CSS

KNOWLEDGE ACQUIRED

Harmonic analysis, *through PhD training and research*
Additive combinatorics, *through PhD training and self-teaching*
Math data science, *through PostDoc training and self-teaching*
Statistics, *through teaching*
PDE, C^*-algebra, *through grad education*
Differential topology, Algebra, Linear algebra, *through undergrad education*
Complex analysis, Discrete mathematics, *through teaching and undergrad education*

PAPERS

- Functions of nearly maximal Gowers-Host-Kra norms on Euclidean spaces
- Sparse bounds on variational norms along monomial curves

TEACHING EXPERIENCE

Calculus, *as a teaching assistant*, at UC Berkeley
Discrete mathematics, *as a teaching assistant*, at UC Berkeley
Complex analysis, *as an instructor*, at UC Berkeley
Statistics, *as a teaching assistant*, at NYU Shanghai
Linear algebra, *as a teaching assistant*, at NYU Shanghai

EMPLOYMENT & POSITIONS

Postdoc Fellow, NYU Shanghai
Visiting Student Researcher, Caltech
Dissertation Fellow, UC Berkeley
Mentorship Research Fellow, UC Berkeley
Graduate Student Researcher/Instructor, UC Berkeley
Summer Instructor, UC Berkeley

AWARDS & HONORS

Dissertation Fellowship Award, UC Berkeley
Mentorship Research Award, UC Berkeley
Teaching Excellence Award, UC Berkeley
UCLA Math Daus Award, UCLA
Magna Cum Laude Honor, UCLA

SELECTED TALKS GIVEN

Gowers-Host-Kra structures on Euclidean spaces, Georgia Tech Analysis Seminar, Georgia Tech, 2018
Decouplings for surfaces in $\mathbb{R}^4$, Hausdorff Summer School for Mathematics, Kopp, 2017
Universally L^1 *bad sequences* Hades Seminar, UC Berkeley, 2016

A Calderón-Zygmund decomposition for multiple frequencies and an application to an extension of a lemma of Bourgain; HADES Seminar, UC Berkeley, 2014

SELECTED CONFERENCES & WORKSHOPS & SEMINARS

Networks seminars, NYU Shanghai, 2018-2019

Tripods Summer School - Fundamentals of Data Analysis, IFDS Wisconsin, 2018

IMI Symposium on Additive Combinatorics, Univsersity of South Carolina, 2017

PCMI Summer Session in Harmonic Analysis, Park City, Utah, 2018

AIM Workshop on Sparse Domination and Singular Integral Operators, AIM, San Jose, 2017

Decoupling and Polynomial Methods in Analysis Summer School, Hausdorff Center for Mathematics, Kopp, 2017

Conference in Harmonic Analysis and Its Interaction: in Honor of Anthony Carbery, ICMS, Endinburg, Scotland, 2017

Chicago Analysis Summer School, University of Chicago, 2017

Conference on Dynamical Systems: Smooth, Symbolic and Measurable, MRC Snowbird Resort, Utah, 2017

Calculus of Variations and Nonlinear PDE Mini-schools, UC Berkeley, 2017

Recent Developments in Harmonic Analysis Workshop, MSRI, Berkeley, 2017

Global Research Symposium in Geometry, Analysis and Probability, KIAS, South Korea, 2017

Joint Analytic Number Theory and Harmonic Analysis Program, MSRI, Berkeley, 2017

Harmonic Analysis and Geometry of Fractal Sets, Ohio State University, 2017

Conference in Harmonic Analysis in Honor of Michael Christ, University of Wisconsin, 2016

OTHER ACTIVITIES

Geometry of Redistricting Workshop - Educator Training Track, University of San Francisco, 2018

UCLA Applied Math REU Program, UCLA, 2010