

LI, ANG

Department of Mathematics, University of Kentucky

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EDUCATION

DOCTORAL PROGRAM OF MATHEMATICS IN UNIVERSITY OF KENTUCKY

August 2016 - Present

Research interest: Homotopy theory

Advisor: Bert Guillou, webpage: <http://www.ms.uky.edu/~guillou/>

DOCTORAL PROGRAM OF MATHEMATICS IN UNIVERSITY OF CINCINNATI

August 2014 - May 2016

I transferred program in order to better find a faculty advisor matching my research interest.

BACHELOR PROGRAM OF MATHEMATICS AND APPLIED MATHEMATICS IN CENTRAL SOUTH UNIVERSITY

September 2010 - June 2014

One of both the 211 and 985 project universities, P.R.CHINA

Advisor: Yong Jiao, webpage: http://faculty.csu.edu.cn/jiaoyong/zh_CN/index.htm

ACADEMIC ACHIEVEMENTS

Summer Research Fellowship

University of Kentucky, 2020

This award provides summer research support for doctoral students

Mathematics Department Fellowship

University of Kentucky, 2020

This award recognizes outstanding research by a doctoral student

Summer Research Assistantship

University of Kentucky, 2018 and 2019

This award is made possible by external grants held by Dr. Bert Guillou

Maita Levine Award for Outstanding Beginning Doctoral Students

University of Cincinnati, 2015

PUBLICATIONS AND PREPRINTS

My current projects are in equivariant and motivic homotopy theory. I am interested in the ∞ -category language and its connection to the equivariant and motivic homotopy theory. Please see my webpage <http://ms.uky.edu/~ali266/> for details.

An \mathbb{R} -motivic v_1 -self-map of periodicity 1

Joint work with Prasit Bhattacharya and Bertrand Guillou

Submitted. Available on the ArXiv: <https://arxiv.org/abs/2008.05547>

The v_1 -Periodic Region in the cohomology of the \mathbb{C} -motivic Steenrod algebra

New York J. Math. 26 (2020) 13551374. Available on the ArXiv: <https://arxiv.org/abs/1912.03111>

ACTIVITIES

Co-organizer of the eCHT Kan Seminar

Fall 2020

<https://s.wayne.edu/echt/echt-reading-seminars/echt-kan-seminar-fall-2020/>

TALKS

Graduates Reminisce Online On Topology (GROOT) Summer Seminar

July 15, 2020.

<https://sites.google.com/view/sarahpetersen/groot-summer-seminar>

Summer School on Equivariant Homotopy Theory

August 13-17, 2019. At Fudan University, Shanghai, China

<https://iwoat.github.io/school>

Graduate Student Topology and Geometry Conference

March 30-31, 2019. At University of Illinois Urbana-Champaign

<https://hquan4.pages.math.illinois.edu/GSTGC2019/index.html>

TEACHING

As an international student who survived the examination-oriented education system in China, I am an expert in small strategies in math, and effectively managing my time under stress. Leading by my philosophy of learning math, my students will learn how to maximize the effort under their limited study time. Please see my webpage <http://ms.uky.edu/~ali266/> for details.