

Zhen Huan

CONTACT INFORMATION	School of Mathematics Sun Yat-sen University Xingangxi Road 135, Haizhu, Guangzhou, Guangdong, 510275, China	Email: xunzhen@mail.sysu.edu.cn
RESEARCH INTERESTS	Algebraic topology, homotopy theory, and related fields.	
POSITION	Sun Yat-sen University , Guangzhou, China Research Associate, August 2017-present	
EDUCATION	University of Illinois at Urbana-Champaign Ph.D. in Mathematics, May 2017 <ul style="list-style-type: none">• Dissertation Defense Date: May 5th 2016• Dissertation Title: Quasi-Elliptic Cohomology• Advisor: Charles Rezk Indiana University Bloomington M.A. in Mathematics, May 2009 Peking University B.A. in Mathematics, May 2006 <ul style="list-style-type: none">• Thesis Title: Morse Theory and Bott Periodicity• Advisor: Houhong Fan	
PREPRINT	Zhen Huan, <i>Quasi-Elliptic Cohomology and its Power Operations</i> , https://arxiv.org/abs/1612.00930 Submitted for publication. Zhen Huan, <i>Quasi-Elliptic Cohomology and its Spectra</i> , http://arxiv.org/abs/1703.06562 Submitted for publication. Zhen Huan, <i>Universal Finite Subgroup of Tate Curve</i> , https://arxiv.org/abs/1708.08637 Submitted for publication. Zhen Huan, <i>Almost Global Homotopy Theory</i> . In Preparation.	
INVITED TALKS	<ul style="list-style-type: none">• AMS Special Session on Homotopy Theory, <i>Quasi-elliptic cohomology</i>, November 5, 2017.• Parallel Session, Conference "Homotopy theory: tools and applications", <i>Quasi-elliptic cohomology</i>, July 17, 2017.• Informal Session, Conference on invertible objects and duality in derived algebraic geometry and homotopy theory, the University of Regensburg, Germany, <i>Quasi-elliptic cohomology</i>, April 3, 2017.• AMS Special Session on Homotopy Theory, <i>Quasi-elliptic cohomology</i>, April 1, 2017.• AMS Special Session on Topology and Arithmetic, <i>Quasi-elliptic cohomology</i>, October 30th, 2016.	

- University of Chicago Algebraic Topology Seminar, *Quasi-elliptic cohomology*, November 25th 2014.
- Northwestern University Algebraic Topology Seminar, *Quasi-elliptic cohomology*, November 24th 2014.

TEACHING
EXPERIENCE

University of Illinois at Urbana-Champaign

Main instructor of

- NetMath MATH 231-Calculus II, Summer 2016.
- MATH 124-Finite Mathematics, Spring 2016.
- MATH 124-Finite Mathematics, Fall 2015.
- MATH 124-Finite Mathematics, Spring 2015.
- MATH 119-Ideas in Geometry, Fall 2013.

Led discussion sessions for

- MATH 221-Calculus I, Fall 2016.
- MATH 231-Calculus II, Fall 2012.
- MATH 234-Calculus for Business I, Spring 2012.
- MATH 231-Calculus II, Fall 2011.

FELLOWSHIP AND
AWARDS

- James P. Williams Memorial Award in recognition of outstanding scholastic achievement in the first year of graduate studies, from Department of Mathematics, Indiana University, Bloomington, 2007.

REFERENCES

Advisor

Charles Rezk, University of Illinois at Urbana-Champaign, rezk@math.uiuc.edu (217) 265-6309.

Dissertation Committee Member

Matthew Ando, University of Illinois at Urbana-Champaign, mando@illinois.edu (217) 244-2846.

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Vesna Stojanoska, University of Illinois at Urbana-Champaign, vesna@illinois.edu (217) 265-0883.

Teaching Reference

Alison Reddy, University of Illinois at Urbana-Champaign, ared@illinois.edu (217) 244-2361.