Chang-Yeon Chough

CONTACT
INFORMATION

IBS Center for Geometry and Physics
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EDUCATION

- Institute for Basic Science – Center for Geometry and Physics (IBS-CGP), Post-doctoral Fellow, July 2016 – present.
- University of California at Berkeley, Ph.D., Mathematics, May 2016, (Advisor: Martin Olsson).
- Seoul National University, Master Program in Mathematics (without pursuing degree), Sep 2009 – July 2010.
- Seoul National University, B.S., Mathematics (Summa cum laude), Aug 2009.
- Military Service, Jan 2005 – Jan 2007.

RESEARCH
INTERESTS

(derived/spectral) algebraic geometry.

PUBLICATIONS

- C. Chough, Brauer spaces of spectral algebraic stacks (Submitted).
- C. Chough, Proper base change for lcc étale sheaves of spaces (Submitted).
- C. Chough, An equivalence of profinite completions (Submitted).
- C. Chough, The pro-étale topology for algebraic stacks. *Comm. Algebra* **48** (2020), no. 9, 3761–3770.
- C. Chough, Topological types of algebraic stacks. To appear in Int. Math. Res. Not. IMRN.

INVITED TALKS

- *Brauer Spaces of Spectral Algebraic Stacks*, Student Arithmetic Geometry Seminar, University of California at Berkeley, Feb 2020.
- *Grothendieck's Question on Brauer Groups*, Sinchon Workshop on Algebraic Geometry 7, Ewha Womans University, Republic of Korea, Dec 2019.
- *Proper Base Change for Lcc Étale Sheaves of Spaces*, Tokyo–Seoul Conference in Mathematics, Tokyo, Japan, Nov 2019.
- *Proper Base Change for Lcc Étale Sheaves of Spaces*, Symposium in Algebraic Geometry, Busan, Republic of Korea, Dec 2018.
- *Proper Base Change for Lcc Étale Sheaves of Spaces*, Algebraic Geometry Seminar, KAIST, Republic of Korea, Nov 2018.
- *Proper Base Change for Lcc Étale Sheaves of Spaces*, Seminar, KIAS, Republic of Korea, Oct 2018.
- *The Comparison Theorem for Algebraic Stacks*, Lecture Series, Yonsei University, Republic of Korea, Apr 2018.
- *The Comparison Theorem for Algebraic Stacks*, Topology in Australia and South Korea, POSTECH, Republic of Korea, Apr 2018.
- *The Comparison Theorem for Algebraic Stacks*, Number Theory Seminar, KAIST, Republic of Korea, Mar 2018.
- *The Comparison Theorem for Algebraic Stacks*, Berkeley Arithmetic Geometry and Number Theory Seminar, University of California at Berkeley, Dec 2017.

- *The Comparison Theorem for Algebraic Stacks Revisited*, Perspectives on Algebraic Geometry, Yangyang, Republic of Korea, Oct 2017.

- *The Comparison Theorem for Algebraic Stacks Revisited*, Yeungnam Seminar on Algebraic Geometry II, Yeungnam University, Republic of Korea, Apr 2017.

- *Topological Types of Algebraic Stacks*, Seoul Seminar on Algebraic Geometry 2, Hankuk University of Foreign Studies, Republic of Korea, Dec 2016.

- *Introduction to Algebraic Stacks*, Intensive Lecture Series, KIAS, Republic of Korea, July 2016.

- *Topological Types of Algebraic Stacks*, Algebraic Geometry Seminar, University of Michigan at Ann Arbor, Jan 2016.

TEACHING EXPERIENCE	At University of California, Berkeley:

At University of California, Berkeley:
- Linear Algebra (Math 110), Spring 2016.
- Discrete Mathematics (Math 55), Fall 2013
- Multivariable Calculus (Math 53), Spring 2013, Summer 2015.
- Linear Algebra and Differential Equations (Math 54), Fall 2012, Fall 2014, Fall 2015.
- Calculus (Math 1A, Math 1B), Spring 2011, Fall 2011, Spring 2012, Spring 2014.
- Graduate Algebra (Reader, Math 250A), Fall 2010.

At Seoul National University:
- Calculus, Fall 2009, Spring 2010.
- Mathematics in Civilization (Reader), Fall 2009.
- Calculus, Excellent Undergraduate Student Tutor, Spring 2008 – Spring 2009.

HONORS AND AWARDS
- Department Fellowship, University of California at Berkeley, Spring 2015.
- Graduate Division Summer Grant, University of California at Berkeley, Summer 2014.
- Teaching Assistant Fellowship, Seoul National University, Fall 2009 – Spring 2010.
- National Science and Technology Scholarship, Korea Student Aid Foundation, Spring 2003 – Fall 2005, Spring 2007 – Fall 2008.

ADDITIONAL
- Completed a Course of Study for the Teaching Profession, Seoul National University.
- Teacher License for Korea Middle and High School – Level 2.
- Publicity Reporter for the Department of Mathematical Sciences, Seoul National University, Sep 2008 – Aug 2009.