
Jae Ho Cho

Stony Brook University
Department of Mathematics
2-109, Math Tower
Stony Brook, NY 11794-3651
Jaeho.cho at stonybrook dot edu
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EDUCATION

Stony Brook University - *Ph.D. in Mathematics*

AUGUST 2016 - PRESENT

- Fields : Ricci Flow, Kähler Geometry
- Advisor : Xiuxiong Chen

Seoul National University - *B.A. in Mathematics*

MARCH 2010 - FEBRUARY 2016

- Graduated with Honors (Cum laude)

PUBLICATIONS

1. J. H. Cho, Y. Li, *Ancient solutions to the Ricci flow with isotropic curvature conditions*, arXiv:2005.11866

EXPERIENCE

Stony Brook University - *Mathematics*

- Research Assistant
 - The Research Foundation for SUNY (2019 - Present)
- Teaching Assistant
 - Linear Algebra (2019)
 - Calculus III with Applications (2018, 2019)
 - Calculus II (2018)
 - Precalculus (2017)
 - Calculus A (2016)
- Grader
 - Introduction to Linear Algebra (2017, 2018)
 - Topology and Geometry (2017)

Seoul National University - *Mathematics*

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- Teaching Assistant
 - Calculus I (2016)
 - Undergraduate Tutor
 - Calculus for Business (2015)
 - Calculus I (2011, 2015)
 - Calculus II (2011, 2012)

AWARDS AND FELLOWSHIPS

National Scholarship

Seoul National University (2010 - 2016)

National Math Competition in South Korea

Korean Mathematical Society

- Silver Medal (2014)
- Bronze Medal (2011)

PRESENTATIONS

The Ricci flow under almost non-negative curvature conditions

APRIL 2020

Geometric Analysis Learning Seminar, Stony Brook University

The first eigenvalue and Curvature

OCTOBER 2019

Student Differential Geometry Seminar, Stony Brook University

How to Produce the Ricci Flow on the Noncompact Manifold

APRIL 2019

Geometric Analysis Learning Seminar, Stony Brook University

Properties on Schramm - Loewner Evolution

DECEMBER 2018

Analysis Student Seminar, Stony Brook University

Ricci flow and the Differentiable sphere theorem

OCTOBER 2018

Geometric Analysis Learning Seminar, Stony Brook University

Regularity estimates and the convergence theorem of the Kähler-Ricci flow when $c_1(M) < 0$

OCTOBER 2018

RTG Student Geometry Seminar, Stony Brook University

The Calabi conjecture (and Kahler-Ricci flow)

OCTOBER 2018

Student Differential Geometry Seminar, Stony Brook University

3-Manifolds with positive Ricci Curvature

APRIL 2018

Geometric Analysis Learning Seminar, Stony Brook University

Curvature and Sphere Theorem

NOVEMBER 2017

Graduate Student Seminar, Stony Brook University

Isoperimetric Inequalities and Sobolev Inequalities

NOVEMBER 2017

Geometric Analysis Reading Seminar, Stony Brook University

Simons' Inequality

NOVEMBER 2017

Analysis Student Seminar, Stony Brook University

Poincaré Inequality and the First Eigenvalue

NOVEMBER 2017

Geometric Analysis Reading Seminar, Stony Brook University

Bochner-Weitzenböck Formulas

OCTOBER 2017

Geometric Analysis Reading Seminar, Stony Brook University

LANGUAGES

Korean (native), English (advanced)