

Hu Yang

tele: 0852+64369184
HKUST, Hong Kong SAR

email(1): hu7541534@gmail.com
email(2): yhucx@connect.ust.hk

Research Interest

My main research interest lies in the geometry with a categorical fashion, especially in the derived algebraic geometry and geometric representation theory.

Specific topics include higher algebra, higher category theory, $(\infty, 2)$ -category, and their applications.

Education

Sun Yat-Sen university <i>Bachelor in mathematics</i> ◦ GPA: 4.2/5.0, Ranking: 6/86	2020.9 – 2024.6 <i>Guang Zhou, China</i>
University of California, Berkeley <i>visiting student at UC Berkeley (BGA)</i>	2023.8 – 2023.12 <i>Berkeley, California, USA</i>
The Hong Kong University of Science and Technology <i>Master of philosophy in mathematics, research-oriented</i> ◦ Supervisor: Quoc Ho	2024.8 – 2026.6 <i>Hong Kong SAR</i>

Research Experience

HKUST Summer Research Program <i>HKUST</i> <ul style="list-style-type: none">learning higher category theory and its applications in derived algebraic geometry, especially in a categorified version of Atiyah-Bott formula.	2023.7-2023.8 <i>Tutor: professor Ho Quoc</i>
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Workshops and Conferences

Short course on ‘Mordell-Weil Theorem’ <i>the University of Xia Men</i>	instructor: Liu Qing, University of Bordeaux 2023.6
Worshop on Complex Geometry and Algebraic Geometry <i>Tianyuan Mathematics Center in Central China</i>	2023.8
International Workshop on Higher Teichmüller Theory <i>Chern Institute of Mathematics, Nankai University</i>	2024.6

Publications

No publications yet

Specialized Skills

Languages: English (IELTS 7.0)
Programming: MATLAB, Python, C++

Other Interests

philosophy and psychoanalysis:

I am an amateur in Jacques Lacan's psychoanalysis. And in the daily life, I am a Platonist, persuing the 'Form of the Good'.