Yun Hao (郝运)

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Education

2016.4–2019.8 **Dr. rer. nat**, *Arithmetic Geometry*, Freie Universität, Berlin Mathematical School (BMS).
BMS Phase II study. Date of denfense: May 20, 2019. Grade: *Magna cum laude*.
Thesis: *A Simpson correspondence for abelian varieties in positive characteristic*.
Supervisors: Hélène Esnault and Michael Gröchenig.

2013.10–2016.12 **M. Sc.**, *Mathematics*, Humboldt Universität zu Berlin (2013.10–2014.3) & Freie Universität (2015.4–2016.12), BMS .
BMS Phase I study. Qualifying exam: Oct. 2015. Master's degree: Dec. 2016. Grade: *1.3 (very good)*
Thesis: *Intersection of a correspondence with a graph of Frobenius*.
Supervisor: Hélène Esnault.

2009.8–2013.7 **B. Sc.**, *Mathematics*, Xi'an Jiaotong University (XJTU), Xi'an, China.

Conferences, Schools and Special Programs

2019.9 **Motives and Stacks**, Universität Duisburg-Essen, Essen, Germany.

2019.7 **Arithmetic of connections**, Monte Verità, Ascona Switzerland.

2019.6 **GAeL XXVII**, *poster presentation*, IMAR, Bucharest, Romania.

2019.2–2019.5 **Derived Algebraic Geometry**, *Program Associate*, MSRI, Berkeley, CA, US.
Seminar talk: A Simpson Correspondence for Abelian Varieties in Characteristic $p > 0$.

2018.11 **Chow Lectures: by Peter Scholze**, *poster presentation*, MPI MiS, Leipzig, Germany.

2018.9 **Arithmetic of Differential Equations**, Ośrodek Kolonijno-Wczasowy Bajka, Łukęcin, Poland.

2018.9 **International summer school on Arithmetic geometry**, Università degli Studi di Salerno, Salerno, Italy.

2018.4 **Crystals and Geometry in Characteristic** p, TU München, Munich, Germany.

2018.2 **Riemann-Hilbert Correspondences**, Università degli Studi di Padova, Padua, Italy.

2017.10 **Topics in arithmetic and algebraic geometry**, Johannes Gutenberg-Universität Mainz, Mainz, Germany.

2017.8 **Motives for periods**, Freie Universität Berlin, Berlin, Germany.

2017.7 **Higgs Bundles, K3 Surfaces and Moduli**, Humboldt Universität zu Berlin, Berlin, Germany.

2016.9 **Higgs Bundles and Fundamental Goups of Algebraic Varieties**, Universität Duisburg-Essen, Essen, Gemany.

2016.6 **Shimura Varieties**, Leiden University, Leiden, Netherlands.

2015.7 **AMS Summer Institue in Algebraic Geometry**, University of Utah, Salt Lake City, UT, USA.

2013.2–2013.6 **Enhanced Program for Graduate Study**, Peking University, Beijing, China.

Teaching

2015.5–2015.7 **Differential Geometry I**, *tutorial sessions*, TU Berlin, Berlin, Germany.

Honors & Awards

2016–2019 **BMS Phase II Scholarship**, *BMS*, Berlin, Germany.

2013–2015 **BMS Phase I Scholarship**, *BMS*, Berlin, Germany.

Languages

Chinese (native), English (fluent), German (very basic level) and French (*only be able to read math literatures*)

References

Hélène Esnault
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