

FAN YE

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EDUCATION

PhD, University of Cambridge, supervised by Jacob Rasmussen *2019-now*
Department of Pure Mathematics and Mathematical Statistics (DPMMS)
Bachelor of Science, Peking University *2015-2019*
School of Mathematical Sciences (SMS)

EXPERIENCE

Visitor, Peking University *2020*
Beijing International Center for Mathematical Research (BICMR)
Special Student Program, Massachusetts Institute of Technology *2018*
Department of Mathematics (Course 18)

RESEARCH

Instanton Floer homology, sutures, and Euler characteristics
(With Zhenkun Li) ArXiv:2101.05169

Sutured instanton homology and Heegaard diagrams
(With John A. Baldwin and Zhenkun Li) ArXiv:2011.09424

Instanton Floer homology, sutures, and Heegaard diagrams
(With Zhenkun Li) ArXiv:2010.07836

Constrained knots in lens spaces
ArXiv:2007.04237

Trisections of four manifolds
Senior thesis, supervised by Clifford Taubes and Yi Liu

AWARDS AND HONORS

Outstanding Graduates in Peking University *2019*
Bronze Medal in Alibaba Global Mathematics Competition *2018*
May Fourth Scholarship from Peking University *2017*
Winning Prize in S. T. Yau College Student Mathematics Contests *2017*
Honorable Mention in Mathematical Contest In Modeling *2017*
Accessit in China Undergraduate Mathematical Contest in Modeling *2016*
Merit Student at Peking University *2016*

SERVICES

The chief editor for publications at School of Mathematical Sciences, Peking University
see <http://faniel.wiki/heartbridge/> *2016-2018*
The responsible editor for PKU YOUTH, a popular publication at Peking University *2016-2017*
The vice minister for the development department of the student union at School of Mathematical Sciences, Peking University *2015-2016*