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🌐 <https://ymsc.tsinghua.edu.cn/info/1035/2549.htm>



Employment History

- 2019.11–2022.11 📌 **Postdoc.** Tsinghua University
- Since 2022.12 📌 **Assistant Research Fellow** Yanqi Lake Beijing Institute of Mathematical Sciences and Applications

Education

- 2013.9 – 2019.8 📌 **Ph.D.** in Mathematics, **University of Utah**
- 2010.9 – 2013.7 📌 **M.S.** in Mathematics, **Tsinghua University**
- 2006.9 – 2010.7 📌 **B.S.** in Mathematics, **East China Normal University**

Research interest

Spectrum of Darboux-Treibich-Verdier potential and related topics

Publications and Preprints

1. Z. Chen, **E. Fu** and C.-S. Lin, Spectrum of the Lamé operator and application, I: Deformation along $\operatorname{Re}\tau = \frac{1}{2}$, **Adv. Math.** 383 (2021), Paper No. 107699, 36 pp.
2. Z. Chen, **E. Fu** and C.-S. Lin, A necessary and sufficient condition for the Darboux-Treibich-Verdier potential with its spectrum contained in \mathbb{R} , **Amer. J. Math.** 144 (2022), no. 3, 851–872.
3. **E. Fu**, Deformation of the Spectrum for Darboux-Treibich-Verdier potential along $\operatorname{Re}\tau = \frac{1}{2}$. To appear in **J. Spectr. Theory**.
4. **E. Fu**, Spectrum of the Lamé operator along $\operatorname{Re}\tau = \frac{1}{2}$: The genus 3 case, arXiv:2111.15059. Submitted.
5. **E. Fu**, A new approach towards Lefschetz (1,1)-Theorem. arXiv:2205.11906. Submitted.
6. **E. Fu**, Tube classes over elementary vanishing cycles. arXiv:2205.12435. Submitted.

Teaching Experiences

- 2019 Summer 📌 **Linear Algebra** Teaching Fellow University of Utah
- 2019 Spring 📌 **Calculus II** Teaching Fellow University of Utah
- 2018 Fall 📌 **Calculus II** Teaching Fellow University of Utah
- 2017 Fall 📌 **Business Algebra** Teaching Fellow University of Utah
- 2017 Summer 📌 **Trigonometry** Teaching Fellow University of Utah
- 2017 Spring 📌 **Introduction to Quantitative Reasoning** Teaching Fellow University of Utah
- 2016 Summer 📌 **Introduction to Quantitative Reasoning** Teaching Fellow University of Utah
- 2015 Fall 📌 **Introduction to Quantitative Reasoning** Teaching Fellow University of Utah