YuWang, Ph.D. Candidate

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Education

2024 – ···· 🔖 **Ph.D. Statistics, Beijing Institute of Mathematical Sciences and Applications and Renmin University of China** in Bioinformatics and Artificial Intelligence.
Supervisor: Prof. Rongling Wu.

2021 – 2024 🔖 **M.Sc. Mathematics, Inner Mongolia Normal University** in Combinatorics.
Supervisor: Assoc. Prof. Huyile Liang.
Thesis title: *Analytical properties of two types of combinatorial triangles.*

2015 – 2019 🔖 **B.Sc. Mathematics, Baoji University of Arts and Sciences**.

Research Publications

Journal Articles

1. H. Liang, J. Zhang, and **Y. Wang**, "Some properties of the matrix related to q-coloured coordination number," *Filomat*, vol. 38, no. 4, pp. 1465–1477, 2024. 🔗 DOI: `10.2298/FIL2404465L`.

2. **Y. Wang**, H. Liang, L. Wang, and J. Zhang, "Notes on the total positivity of the compression of double riordan arrays," *Discrete Mathematics Algorithms and Applications*, 2024. 🔗 DOI: `10.1142/S179383092550017X`.

3. **Y. Wang**, J. Zhang, and H. Liang, "Some properties of combinatorial triangles related to horadam polynomials," *Linear & Multilinear Algebra*, vol. 72, no. 17, pp. 2967–2983, 2024. 🔗 DOI: `10.1080/03081087.2024.2303732`.

4. Y. Xu, S. Liu, X. Sun, H. Hu, and **Y. Wang**, "Asymptotic behavior of an siqr epidemic model driven by lévy jumps on scale-free networks," *International Journal of Biomathematics*, vol. 17, no. 2, p. 2 350 013, 2024. 🔗 DOI: `10.1142/S1793524523500134`.

Awards

2024 🔖 **Outstanding Master's Thesis Award, Inner Mongolia Normal University**.

🔖 **Certificate Authority Cup International Mathematical Contest in Modeling**
<div align="right">Meritorious Winner.</div>

2021 – 2024 🔖 **Inner Mongolia Autonomous Region Graduate Academic Scholarship**.

2022 🔖 **The 19th China Post-Graduate Mathematical Contest in Modeling (CPMCM)**
<div align="right">National Second Prize.</div>

🔖 **The 15th Certificate Authority Cup MathChina Mathematical Modeling Online Challenge**
<div align="right">Special Prize.</div>

2021 🔖 **The 18th China Post-Graduate Mathematical Contest in Modeling (CPMCM)**
<div align="right">National Third Prize.</div>

🔖 **The 2th Greater Bay Area Cup Guangdong-Hong Kong-Macao Financial Mathematics Modeling Competition**
<div align="right">Second Prize in Graduate Group.</div>