Curriculum Vitae

Name: Erzhuo Wang(王尔卓)
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1 Education

Xi'an Jiaotong University,Shaanxi,China 2021-2025
bachelor student in School of Mathematics and Statistic

2 Personal Information

Major: Mathematics
Grade:87.5/100(91.2 if only Mathematics courses are considered)
Rank: 8/60
Research Interests: Algebraic Number Theory
Core Module: Analysis-1(99), Analysis-2(99), Analysis-3(85), Linear Algebra-1(72), Linear Algebra-2(93), Abstact Algebra(94), ODE(89), Commutative Algebra(90), Real Analysis(97), Complex Analysis(99), Probability Theory(98), Numberial Analysis(82), Discrete Math(91).

3 Academic Experience

- Algebra and Number Theory Summer School, 2023.7.31-2023.8.20, sponsored by Chinese Academy of Sciences, Academy of Mathematics and Systems Science

4 Publication

- 王尔卓, 模论观点下讨论矩阵可交换问题, to appear in《高等数学研究》(in Chinese)

Abstract: Given a fixed matrix A over an arbitrary field F, the matrixs in $M_n(F)$ which commute with A form a vector space V over F. Our paper gives an explicit formula to calculate the dimension of V. This problem has been solved by Frobenious, but we use a new construction to solve this problem inspired by Christopher J Hillar and Darren L Rhea. Automorphisms of finite abelian groups.

5 Award

- Third-class Scholarship of Xi'an Jiaotong University in 2021-2022
- Third-class Scholarship of Xi'an Jiaotong University in 2022-2023